Name: JAMES ECHO E & P LLC JAMES LEWIS 3817 NW EXPRESSWAY STE 810 JAMES LEWIS OKLAHOMA CITY, OK 73112-1470 Formation(s) (Permit Valid for Listed Formations Only): Name Depth 1 CANEY 2 SycAMORE 3 WXONPCRD 8 9 5 10 Spacing Orders: 597821 Location Exception Orders: Increased Density Orders: Spacing Orders: 597821 Location Exception Orders: Special Orders: 201802037 201802037 201802037 201802037 201802037 201802037 201802037 201802037 201802034 Surface Casing: 1430 Under Federal Juridiction: No Fresh Water Supply Well Drillet: No Under Federal Juridiction: No Fresh Water Supply Well Drillet: No Pirt 1 NFORMATION Approved Method for disposal of Drilling Fluids: Type of Pir System: ON SITE D.Ore time land application - (REQUIRES PERMIT)	03/14/2019 09/14/2020		N	TION DIVISI 2000 < 73152-2000	CORPORAT S CONSERV/ P.O. BOX 5 OMA CITY, C (Rule 165:10			019 26317 Oil & Gas	API NUMBER:
SPOT LOCATION: Image: Normalized model Normalized model Normalized model Normalized model Lease Name: AUGUSTUS Well Nills 622227281 Well Nills Normalized model Mame: ECHO E & P LLC Telephone: 400753/4322 OTC./OCC Number: 23925 ECHO E & P LLC 3317 NW EXPRESSWAY STE 810 JAMES LEWIS T837 FROMAN ROAD OKLAHOMA CITY, OK 73112-1470 JAMES LEWIS T837 FROMAN ROAD WYNNEWOOD OK 73098 Point 1 CAMEY 7650 6 1 CAMEY 7650 6 7 3 WOODFORD 8600 7 3 WOODFORD 8600 7 3 9 10 10 Specing Other: Syncal Didors: Depth Name Depth 1 CAMEY 7650 6 7 3 WOODFORD 8600 7 5 20180037 20180037 Special Didors: Special Didors: 20180037 20180037 20180037 Special Didors: Special Didors: 20180037 20180037 20180037 Special Didors: Special Didors: 1 Trau Dept: 18226 Count Elev				DRILL	PERMIT TO				
SPOT LOCATION: IE INV INV PET PROVIDE IN INV INV PET PROVIDE IN INV INV PET PROVIDE INT INV VEST 38 125 Lease Name: AUGUSTUS Will NE 6222727H Well will be 165 feet from nearest unit or lease Neme: ECHO E & P LLC International Control International Contro Internatinternational Contro Internatinternational Contrectual Co									
OF COORDING: (b) (b) (b) (b) (b) BECTRALINEE 36 1295 Lesse Name: AUGUSTUS Well No: 6-22-272H Well will be 16.5 feet from nearest unit or lease Operator ECHO E & P LLC Telephone: 405/554/232 OTC/OCC Number: 23925 ECHO E & P LLC 3817 NW EXPRESSWAY STE 810 JAMES LEW/S 7837 FROMAN ROAD WYNNEWOOD OK 73098 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth 1 CANEY 7700 6 2 9 6 9 10 Special Orders: 29702/1 Location Exception Drivers: Name Depth 9 10 Special Orders: 20180237 20180237 20180237 20180237 Special Orders: Special Orders: PT 1 INFORMATION No Presh Water Supply Well Diled: No Surface Water Supply Well Diled: No Surface Water Cool of Drilling Fluids: Type of Mod Syster: NTE Total Depth Syster: NTE Approved Method for deposed of Drilling Fluids:								· ·	
Jack Tab Lasse Name: AU0USTUS Well No: 6:22:27XH Well will be 165 feet from nearest unit or less Operator ECHO E & P LLC Tolephone: 403753422 OTC.OCC Number: 2:3925 JAMES LEWIS JAMES LEWIS JAMES LEWIS 2017 Sat 7 ROMAN ROAD WYNNEWOOD OK 700mmer: OK 73112-1470 JAMES LEWIS 700mmer: OK 73122-1470 Name Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth Name Depth 1 OALEY 7650 6 2 SYCMADRE 4100 7 3 WOODFORD 8800 8 4 0 10 5 Special Orders: 597921 Location Exception Orders: Noreaseed Density Orders: Special Orders: 201802037 201802037 201802037 201802037 201802034 Surface Casing: 1430 Depth to base of Treatable Water-Bearing PM. Under Federal Junidciton: No Fresh Water Supply Well Diffet: No Surface Water used to Diff: Presh Water Supply Well Diffet: No Prof Mid System: WATER BASED One invite land application(FEQUIRES PERMIT) PERMITED PER DISTRICT Welhand Troucolon A				WEST	NORTH FROM	TROM		SE NE NW	SPOT LOCATION:
Operation memory ECHO E & P LLC Description Descripion Description Description <th></th> <th></th> <th></th> <th>1295</th> <th>358</th> <th>LINES.</th> <th>SECTION EIN</th> <th></th> <th></th>				1295	358	LINES.	SECTION EIN		
Name: Display: Display: Display: Display: Display: Display: Display: Display: ECHO E & P LLC 3817 NW EXPRESSWAY STE 810 OKLAHOMA CITY, OK 73112-1470 JAMES LEWIS 7887 FROMAN ROAD WYNNEWOOD JAMES LEWIS 7887 FROMAN ROAD WYNNEWOOD JAMES LEWIS 7887 FROMAN ROAD WYNNEWOOD JAMES LEWIS 7887 FROMAN ROAD WYNNEWOOD JAMES LEWIS 7887 FROMAN ROAD Name Depth Name Depth 1 CANEY 7890 6 2 SYCAMORE 8100 7 3 WOODFORD 8800 8 4 9 10 5 5 10 5 10 Special Oviers: 201802035 Special Oviers: Special Oviers: 201802037 201802035 Special Oviers: Special Oviers: 201802037 201802037 201802035 Special Oviers: Approved Method for disposal of Drilling Fuids: Vider Federal Jurisdiction: No Freeh Water Supply Well Dilliot: No Surface Water dealing FM Under Federal Jurisdiction: No Freeh Water Supply Well Dilliot: No Surface Water dealing Fuids: Type of Mid System: Water BASED Over the land application - (REQUIRED PERMIT) PERMIT H.PT 2: MIN 2: AMIL EPT LINER REQUIRED. OBM RETURNED TO VENDO PERMITED PE	t unit or lease boundary.	165 feet from nearest uni	Well will be		6-22-27XH	Well No:		AUGUSTUS	Lease Name:
3817 NW EXPRESSWAY STE 810 OKLAHOMA CITY, OK 73112-1470 JAMES LEWIS 7887 FROMAN ROAD WYNNEWOOD OK 73098 Formation(s) (Permit Valid for Listed Formations Only): Name Depth 1 CANEY 7650 6 2 SYCAMORE 8100 7 3 WCODFORD 8600 8 4 9 10 10 Spacing Orders: 57721 Location Exception Orders: Increased Density Orders: Pending CD Numbers: 201802035 201802037 Special Orders: Special Orders: 201802037 201802037 201802037 Special Orders: Special Orders: Special Orders: Under Federal Juriadiction: No Freeh Water Supply Well Drilled: No Surface Water used to Drill; T PPT 1 INFORMATION Type of Pit System: ON SITE Pype of Mud System: No Stree EQUIRED, OBM RETURNED TO VENDO Charles Mat: 5000 Average: 3000 Edepth to of ground water greater than 10ft below base of pit? Y Nin Trille of municipal water vert? N Weithead Protection Area? N Pit is Doubread mater EqUIRED, OBM RETURNED TO VENDO	23925 0	OTC/OCC Number: 2		1057534232	Telephone:			ECHO E & P LLC	
VeryNetWOOD OK 73093 Formation(s) (Permit Valid for Listed Formations Only): Name Depth Name Depth Name Depth 1 CANEY 750 6 2 SYCAMORE 8100 7 3 WOODFORD 8600 8 4 3 10 Spacing Orders: 5 10 Spacing Orders: 201802035 Special Orders: 201802037 201802037 Special Orders: 201802034 Special Orders: Special Orders: Vider Federal Jurisdiction: No Surface Casing: 1430 Depth to base of Treatable Water-Bearing PM: Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Prit 1 INFORMATION Approved Method for disposal of Drilling Fluids: Done time land application (REQUIRED, OBM RETURNED TO VENCO PERMITED PER DISTRICT Done time land application (REQUIRED, OBM RETURNED TO VENCO PERMITED PER DISTRICT Weithead Protection Area? N PH Is located in a Hydrodiogically Sensitive Area. Category of Pit: 2		D				1170		EXPRESSWAY STE	3817 NW
Name Depth Name Depth 1 CANEY 7650 6 2 SYCAMORE 8100 7 3 WOODFOND 8600 8 4 9 9 5 0 10 Spacing Orders: 201802037 201802037 201802037 201802037 201802037 201802037 201802037 Special Orders: 201802037 201802034 Special Orders: 1 for all bepth: 19226 Ground Elevation: 995 Verder Kerder N Fresh Water Suppl Well Dille: No PF1 I 1970 Karter RASED D. One time land application - (REQUIRES DERMIT) Type of Pit System: N D. One time land application - (REQUIRES DERMIT) Type of Pit System: N D. One time land application - (REQUIRES D.GRM RETURNED	3098	OK 73098	WOOD	WYNN		-1470	OK 73112-1	ΛΑ CITY,	OKLAHO
Opending Childes: Indeeased Density Orders: Pending CD Numbers: 201802035 201802037 201806047 201802034 Special Orders: Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Prit 1 INFORMATION Prit 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: ON SITE Type of Mud System: D. One time land application (REQUIRES PERMIT) PerMITTED PER DISTRICT PERMITTED PER DISTRICT Within 1 mile of municipal water well? N Weilhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2				7 8 9		8100 8600	8	SYCAMORE	2 3 4 5
201802037 201802037 201802034 Total Depth: 19226 Ground Elevation: 995 Surface Casing: 1430 Depth to base of Treatable Water-Bearing FM: Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: ON SITE D. One time land application (REQUIRES PERMIT) PerMIT Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below base of pit? Y D. One time land application (REQUIRES PERMIT) Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2 2		Increased Density Orders:	In		Orders:	Location Exception	L	00.021	Spacing Orders:
PIT 1 INFORMATION Approved Method for disposal of Drilling Fluids: Type of Pit System: ON SITE D. One time land application (REQUIRES PERMIT) Chlorides Max: 5000 Average: 3000 D. One time land application (REQUIRES PERMIT) Is depth to top of ground water greater than 10ft below base of pit? Y D. One time land application (REQUIRED, OBM RETURNED TO VENDOR PERMITTED PER DISTRICT) Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2	-Bearing FM: 1380				Casing: 143	Surface	Elevation: 995	201802037 201806047 201802034	-
Type of Pit System: ON SITE Type of Mud System: WATER BASED Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2	sed to Drill: Yes	Surface Water used to		d: No	Supply Well Drille	Fresh Wate		lurisdiction: No	Under Federal
Type of Pit System: ON SITE D. One time land application (REQUIRES PERMIT) PERMIT Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT) PERMIT Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2		ing Fluids:	or disposal of Drillin	pproved Method				ION	PIT 1 INFORMA
Type of Mud System: WATER BASED D. One time land application (REQUIRES PERMIT) PERMIT Chlorides Max: 5000 Average: 3000 Is depth to top of ground water greater than 10ft below base of pit? Y D. One time land application (REQUIRES PERMIT) PERMIT Within 1 mile of municipal water well? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2									
PERMITTED PER DISTRICT Permitted protection Area? N Pit is Iocated in a Hydrologically Sensitive Area. Category of Pit:	PERMIT NO: 18-35409	QUIRES PERMIT)	application (REQL	D. One time land					
Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2	H. PIT 2 - MIN. 20-MIL PIT LINER REQUIRED, OBM RETURNED TO VENDOR, CUTTING				000 Average: 3000	Chlorides Max: 5			
Pit is located in a Hydrologically Sensitive Area. Category of Pit: 2					-	Y		unicipal water well? N	Within 1 mile of r
Category of Pit: 2									
							Isitive Area.		
Liner not required for Category: 2									
Pit Location is BED AQUIFER									
Pit Location Formation: GARBER									

PIT 2 INFORMATION Type of Pit System: ON SITE Type of Mud System: OIL BASED Chlorides Max: 300000 Average: 200000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Wellhead Protection Area? N Pit is located in a Hydrologically Sensitive Area. Category of Pit: 3 Liner required for Category: 3

Pit Location is BED AQUIFER Pit Location Formation: GARBER

HORIZONTAL HOLE 1

CARTER Sec 27 Twp 1S Rge 3W County Spot Location of End Point: S2 S2 S2 S2 Feet From: SOUTH 1/4 Section Line: 165 Feet From: WEST 1/4 Section Line: 2640 Depth of Deviation: 7600 Radius of Turn: 878 Direction: 175 Total Length: 10246 Measured Total Depth: 19226 True Vertical Depth: 8700 End Point Location from Lease, Unit, or Property Line: 165

Notes:	
Category	Description
HYDRAULIC FRACTURING	9/17/2018 - G71 - OCC 165:10-3-10 REQUIRES:
	1) PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS FOR HORIZONTAL WELLS, NOTICE GIVEN FIVE BUSINESS DAYS IN ADVANCE TO OFFSET OPERATORS WITH WELLS COMPLETED IN THE SAME COMMON SOURCE OF SUPPLY WITHIN 1/2 MILE;
	2) WITH NOTICE ALSO GIVEN 48 HOURS IN ADVANCE OF HYDRAULIC FRACTURING ALL WELLS TO BOTH THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES, USING THE "FRAC NOTICE FORM" FOUND AT THE FOLLOWING LINK: OCCEWEB.COM/OG/OGFORMS.HTML; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION THE HYDRAULIC FRACTURING OPERATIONS, USING THE FOLLOWING LINK: FRACFOCUS.ORG
PENDING CD - 201802035	10/15/2018 - G58 - (I.O.) 22 & 27-1S-3W EST MULTIUNIT HORIZONTAL WELL X689806 CNEY, SCMR, WDFD 27-1S-3W X690446 CNEY 22-1S-3W X597921 SCMR, WDFD 22-1S-3W 50% 22-1S-3W 50% 27-1S-3W NO OP. NAMED REC 12/18/2018 (M. NORRIS)

Category	Description
PENDING CD - 201802037	10/15/2018 - G58 - (I.O.) 22 & 27-1S-3W X689806 CNEY, SCMR, WDFD 27-1S-3W X690446 CNEY 22-1S-3W X597921 SCMR, WDFD 22-1S-3W COMPL. INT. 22-1S-3W NCT 165' FNL, NCT 0' FSL, NCT 330' FWL COMPL. INT. 27-1S-3W NCT 0' FNL, NCT 165' FSL, NCT 330' FWL NO OP. NAMED REC 12/18/2018 (M. NORRIS)
SPACING - 597921	10/15/2018 - G58 - (640)(HOR) 22-1S-3W EST SCMR, WDFD, OTHER POE TO BHL (SCMR) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 689806	3/14/2019 - G58 - (640)(HOR) 27-1S-3W VAC 344237 SCMR, WDFD VAC 346554 SCMR, WDFD EXT 597921 SCMR, WDFD EST CNEY POE TO BHL (SCMR, CNEY) NLT 660' FB POE TO BHL (WDFD) NLT 165' FNL & FSL, NLT 330' FEL & FWL
SPACING - 690446	3/14/2019 - G58 - (640)(HOR) 22-1S-3W EST CNEY POE TO BHL NLT 330' FB

