API NUMBER: 007 25712

Oil & Gas

OKLAHOMA CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION P.O. BOX 52000 **OKLAHOMA CITY, OK 73152-2000** (Rule 165:10-3-1)

Approval Date: 01/19/2023 07/19/2024 Expiration Date:

Straight Hole

PERMIT TO DRILL

SPOT LOCATION: NE	WELL LOCATION:	Section:	13	Township:	- 6N	Range:	24FC	County:	BFA	VFR							
Secretaria 1925 768																	
Departor Name: AGRICULTURAL ENERGY SERVICES INC	or or Econtion.	INE INV	[92	_ [0]			FROW		FK	LAGI							
AGRICULTURAL ENERGY SERVICES INC PO BOX 31865 EDMOND, OK 73003 Depth Saving Permit Valid for Listed Formations Only):					SEC	CTION LINES:		1025		768							
AGRICULTURAL ENERGY SERVICES INC PO BOX 31865 EDMOND, OK 73003	Lease Name:	JOHN ADAMS					Well No:	: 1-13				Well will	be 76	68 feet fro	m nearest uni	it or lease	boundary.
PO BOX 31865	Operator Name:	AGRICULTUR	AL ENERO	3Y SERVI	CES INC	Te	elephone:	: 4052082	096					0	ΓC/OCC Nun	nber:	22253 0
FORMATION OK 73003 PLAINS KS 73012 PLAINS KS 7301 PLAINS K	AGRICULTUE	RAL ENERG	Y SERV	(ICES II	1C					JOHN C	ADAMS R	USSEL	L				
Formation(s) (Permit Valid for Listed Formations Only): Name	PO BOX 3186	35							П	32036 S	ROAD						
Formation(s) (Permit Valid for Listed Formations Only): Name	EDMOND			OK	73003				П								
Name Code Depth 1 COUNCIL GROVE 451CCGV 3033 6 6 MARMATON 404MRMN 5349 2 TORONTO 406TRNT 4535 7 CHEROKEE 404CHRK 5747 3 LANSING 405LNSG 4605 8 MORROW SAND 402MWSD 5945 4 KAN CITY UP 405KSSCU 4949 9 ST GENEVIEVE 353STGV 6371 5 CHECKERBOARD 405CCKB 5192 10 ST LOUIS 353STLS 6463 Spacing Orders: 34964 10 ST LOUIS 353STLS 6463 Spacing Orders: 202204951 Working interest owners' notified: "Special Orders: No Density Total Depth: 6725 Ground Elevation: 2433 Surface Casing: 1300 Depth to base of Treatable Water-Bearing FM: 330 Per Mater Supply Well Drilled: No Surface Water used to Drill: Yes PT 1 INFORMATION Type of Pit System: ON SITE Type of Pit System: ON SITE Type of Pit System: WATER BASED Chlorides Max: 8000 Average: 5000 In code Pound Reference of Pit Location Formation: OGALLALA Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	LDIVIOIND,			OK	75005		PLAINS				NO 73012						
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COUNCIL GROVE	Formation(s)	(Permit Vali	id for Lis	sted For	mations C	Only):											
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3 LANSING 405LNSG 4605 4 KAN CITY UP 405KSSCU 4949 5 CHECKERBOARD 405CCKB 5182 Location Exception Orders: No Exceptions Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes PIT 1 INFORMATION Type of Pit System: ON SITE Type of Pit System: ON SITE Type of Pit System: ON SITE Type of Pit System: WATER BASED Chlorides Max: 8000 Average: 5000 Fit Location Face and August 1 selection is: BED AQUIFER Pit Location Formation: OGALLALA Bis depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	1 COUNCIL GE	ROVE		451C	CGV	3	3033			6 MAR	MATON			404M	RMN	53	49
4 KAN CITY UP 405KSCU 4949 5 ST GENEVIEVE 353STGV 6371 5 SCHECKERBOARD 405CCKB 5182 9 ST GENEVIEVE 353STLS 6463 Spacing Orders: 34964 34966	2 TORONTO			406T	RNT	2	1535			7 CHE	ROKEE			404C	HRK	57	47
Spacing Orders: 34964 34966 Pending CD Numbers: 202204951 Total Depth: 6725 Ground Elevation: 2433 Surface Casing: 1300 Depth to base of Treatable Water-Bearing FM: 330 Deep surface casing has been approved. Approved Method for disposal of Drilling Fluids: A. Evaporation/dewater and backfilling of reserve pit. PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mtud System: WATER BASED Type of Mtud System: WATER BASED Chlorides Max: 8000 Average: 5000 Increased Density Orders: No Density No Exceptions Increased Density Orders: No Density Approved Method for disposal of Drilling Fluids: A. Evaporation/dewater and backfilling of reserve pit. Category of Pit: 1B Liner required for Category: 1B Pit Location is: BED AQUIFER Pit Location Formation: OGALLALA Within 1 mile of municipal water well? N	3 LANSING			405LI	NSG	2	1605			8 MOR	ROW SAND			402M	WSD	59	45
Spacing Orders: 34964 34966 Pending CD Numbers: 202204951 Total Depth: 6725 Ground Elevation: 2433 Surface Casing: 1300 Depth to base of Treatable Water-Bearing FM: 330 Deep surface casing has been approved. Approved Method for disposal of Drilling Fluids: A. Evaporation/dewater and backfilling of reserve pit. PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED Pit Location Exception Orders: No Exceptions Increased Density Orders: No Density Special Orders: No Special Pepth to base of Treatable Water-Bearing FM: 330 Deep surface casing has been approved. Approved Method for disposal of Drilling Fluids: A. Evaporation/dewater and backfilling of reserve pit. H. (Other) IB MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER PIT Location is: BED AQUIFER Pit Location is: BED AQUIFER Pit Location Formation: OGALLALA Within 1 mile of municipal water well? N	4 KAN CITY UI	P		405KSSCU		2	4949			9 ST GENEVIEVE				353STGV 63			71
Pending CD Numbers: 202204951 Working interest owners' notified: "" Special Orders: No Special Total Depth: 6725 Ground Elevation: 2433 Surface Casing: 1300 Depth to base of Treatable Water-Bearing FM: 330 Deep surface casing has been approved. Approved Method for disposal of Drilling Fluids: Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED Pit Location Formation: OGALLALA Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	5 CHECKERBO	OARD		405C	СКВ	5	5182			10 ST L	OUIS			353S	ΓLS	64	63
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Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Light System: On ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N Deep surface casing has been approved Approved Method for disposal of Drilling Fluids: A. Evaporation/dewater and backfilling of reserve pit. H. (Other) 1B MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER Category of Pit: 1B Liner required for Category: 1B Pit Location is: BED AQUIFER Pit Location Formation: OGALLALA	Pending CD Number	ers: 20220495	51			w	orking in	terest own	ers' n	otified: ***	*		_	S	pecial Orders:	No S	Special
Under Federal Jurisdiction: No Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes H. (Other) Approved Method for disposal of Drilling Fluids: A. Evaporation/dewater and backfilling of reserve pit. H. (Other) 1B MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER PIT 1 INFORMATION Category of Pit: 1B	Total Depth: 6	725	Ground El	evation: 2	2433	Su	ırface	Casing:	13	00		Dej	pth to ba	se of Treatab	ole Water-Bear	ing FM:	330
Fresh Water Supply Well Drilled: No Surface Water used to Drill: Yes H. (Other) Category of Pit: 1B MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N														Deep su	rface casin	g has b	een approved
Surface Water used to Drill: Yes H. (Other) 1B MIN. SOIL COMPACTED PIT, NOTIFY DISTRICT PRIOR TO TESTING SOIL PIT LINER PIT 1 INFORMATION Type of Pit System: ON SITE Type of Mud System: WATER BASED Chlorides Max: 8000 Average: 5000 Is depth to top of ground water greater than 10ft below base of pit? Y Within 1 mile of municipal water well? N	Under	Federal Jurisdicti	ion: No						ſ	Approved N	Method for dis	sposal of I	Drilling I	Fluids:			
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Within 1 mile of municipal water well? N		•		than 10ft	below base o	of pit? Y											
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NOTES:

located in a Hydrologically Sensitive Area.

Category	Description
DEEP SURFACE CASING	[1/12/2023 - GC2] - APPROVED; (1) NOTIFY OCC FIELD INSPECTOR IMMEDIATELY OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING. (2) SUBSEQUENT WELLS ON SAME PAD WILL NOT BE ALLOWED DEEP SURFACE CASING IN THE EVENT OF ANY LOSS OF CIRCULATION OR FAILURE TO CIRCULATE CEMENT TO SURFACE ON ANY CONDUCTOR OR SURFACE CASING.
HYDRAULIC FRACTURING	[1/12/2023 - GC2] - OCC 165:10-3-10 REQUIRES:
	1) NOTICE SHALL BE GIVEN AT LEAST 5 BUSINESS DAYS PRIOR TO COMMENCEMENT OF HYDRAULIC FRACTURING OPERATIONS ON A HORIZONTAL WELL TO OPERATORS PRODUCING WELLS WITHIN 1 MILE OF THE COMPLETION INTERVAL OF THE SUBJECT WELL. THE NOTICE TO SUCH OPERATORS SHALL CONTAIN THE INFORMATION IN FORM 6000NOO. IF THE HYDRAULIC FRACTURING OPERATIONS SCHEDULE CHANGES AFTER NOTICE HAS BEEN PROVIDED, RESULTING IN A DELAY OF OPERATIONS OF MORE THAN 5 DAYS FROM THE INITIAL NOTICE, NEW NOTICE IS REQUIRED TO BE GIVEN;
	2) NOTICE WILL BE GIVEN TO THE OCC CENTRAL OFFICE AND LOCAL DISTRICT OFFICES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF FRACTURING OPERATIONS. FORM 6000NHF SHALL BE FOUND HERE: HTTPS://OKLAHOMA.GOV/OCC/DIVISIONS/OIL-GAS/OGCD-FORMS; AND,
	3) THE CHEMICAL DISCLOSURE OF HYDRAULIC FRACTURING INGREDIENTS FOR ALL WELLS IS TO BE REPORTED TO FRACFOCUS WITHIN 60 DAYS AFTER THE CONCLUSION OF HYDRAULIC FRACTURING OPERATIONS, FOUND AT FRACFOCUS.ORG
PENDING - CD2022-004951	[1/19/2023 - GB7] - (I.O.) 13-6N-24E X34964 MWSD X34965 OTHER X34966 TRTN COMPL INT NCT 1320' FB AGRICULTURAL ENERGY SERVICES INC REC 01/03/2023 (PRESLAR)
SPACING	[1/19/2023 - GB7] - CCGV, LNSG, KSSCU, CCKB, MRMN, CHRK, STGV, STLS UNSPACED; 640-ACRE LEASE (13-6N-24E)
SPACING - 34964	[1/19/2023 - GB7] - (640) 13-6N-24E EXT 33547/VAR/34809 MWSD
SPACING - 34966	[1/19/2023 - GB7] - (640) 13-6N-24E EXT 30536 TRTN