Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

	WELL API NO.
	5.Indicate Type of Lease STATE ☐ FEE ☐ FEDERAL ☐
	6. State Oil & Gas Lease No.
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.) 1. Type of Well: Oil Well ☐ Gas Well ☐ Other	7. Lease Name or Unit Agreement Name
	8. Well Number
2. Name of Operator	9. OGRID Number
3. Address of Operator	10. Pool name or Wildcat
4. Well Location Unit Letter_____:_____feet from the _____ line and _____feet from the _____line Section Township Range NMPM County	
	11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Eileen M Kosakowski TITLE DATE

Type or print name _____ E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY:_____TITLE_____DATE_____
Conditions of Approval (if any):

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/15/2019
RPT NUM.: 7
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME:	Dagger Lake 5 State Com 605H	JOB:	Drilling	RIG SUPERV:	T. NASH / J. KING
FIELD:	Bone Spring	LEASE:	Dagger Lake 5 State Com 605H	RIG PHONE:	432-888-0997
AFE #:	NM0085	API #:	30-025-46292	EMAIL:	hp466@advanceenergypartners.com
CONTRACTOR:		ELEVATION:		RKB:	
SPUD DATE:	10/14/2019	DFS:	1	DOL:	6
MD/TVD:	1218 FT/1217 FT	24 HR FTG:	1113	HRS DRLG:	6

LAST 24 HOUR SUMMARY: WAIT ON PERMITS. PICK UP BHA. DRILL 17 1/2 SURFACE TO 1,218'. CIRCULATE CLEAN & TRIP OUT OF HOLE. RUN SURFACE CASING T/1,168'

PRESENT OPERATIONS: WAITING ON CEMENTERS.

ACTIVITY PLANNED: CEMENT SURFACE CASING.

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $124,348 | CUM DRILL COST: $433,016 | CUM WELL COST: $433,016

BOP

LAST BOP TEST: | LAST BOP DRILL: | NEXT BOP TEST:

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
20:00	8.9	31.0	99.0	8.3	3	1	2	2	1	1			0.06	0.13			4.00	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	17.50	BAKER	DP606S	5296623	9 X 12'S	N	145	1,218	1,073		40		

BIT NO. 1 | INNER: 1 | OUTER: 2 | DULL: CC | LOC: MIDDLE | SEAL: | GAUGE: 1 | OTHER: | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-BAKER DP606S	17.5		1.5	7	X-Over-CROSS OVER SUB	8.3	2.75	3.54
2	Motor-9.625 7/8 5.9 FBH 1.5 17"NBS	9.63		39.35	8	Drill Pipe-5.5 HWDP	5.5	3.38	819.73
3	Stabilizer-17" STABILIZER	8.25	2.81	7.83					
4	MWD Tool-8" UBHO	8	2.88	2.93					
5	Monel Collar-8" NMDC	8.1	3.5	30.92					
6	Monel Collar-8" NMDC	8.22	3.31	29.83					

DESCRIPTION: DIRECTIONAL BHA #1

LENGTH: 935.63 | BHA WT. AIR: | BHA WT. MUD: 105,000 | HRS. ON JARS:

ROT. WT.: 105,000 | P.U. WT.: 115,000 | S.O. WT.: 95,000 | TORQUE: 16

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S (COORDINATES)	E/W (COORDINATES)	V. SECTION	DLS
866	0.90	223.70	866	3.6	-4.1	3.8	0.5
957	1.00	220.50	957	2.1	-4.9	2.3	0.1
1,047	1.20	202.70	1,047	0.7	-5.8	0.9	0.4
1,137	1.40	204.60	1,137	-1.2	-6.6	-1.0	0.2

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel			4,279

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	12:00	6.0	Rig Move In	Other		145	WAIT ON PERMITS. UNLOAD 5.5 DP AND HWDP. CALIPER AND STRAP HWDP. 2 HANDS FARMED OUT TO H&P 38 TO HELP WITH CLEANING DUTIES.
12:00	13:30	1.5	Surface Drilling	Dir Work		145	GET DIRECTIONAL TOOLS TO THE FLOOR AND PICK UP BHA #1. M/U MOTOR, UBHO, STABILIZER, MONEL, AND INSTALL MWD. SCRIBE MOTOR. TAG @ 145'.
13:30	19:30	6.0	Surface Drilling	Drilling		1,218	DRILLING 17.5" SURFACE SECTION F/ 145' TO 1,218'. DRL 1,073' - WOB 10-45 K, DIFF 500-1100 PSI, 30-70 RPM, TORQ 11-18 K, 450-900 GPM, OFF BTM SPP 2,600 PSI. 6 HR ROTATE. 0 HRS SLIDE. CONTACTED KERRY WITH NMOCD WITH AN INTENT TO SPUD, RUN SURFACE CSG, AND CMT. 10/14/19 12:00 PM
19:30	20:00	0.5	Surface Drilling	Cond Mud & Circ		1,218	CICRULATE 2 BOTTOMS UP. PUMP 3-20 BBL HIGH VIS SWEEP.
20:00	22:00	2.0	Surface Drilling	Trips		1,218	POOH FROM 1,218' TO DIRECTIONAL TOOLS WHILE MONITORING WELL IN THE CELLAR. NO ISSUES DURING TRIP. WORK TIGHT SPOTS F/630' T/600' AND F/570' T/540'.
22:00	22:30	0.5	Surface Drilling	Dir Work		1,218	RETRIEVE MWD TOOL. DRAIN MOTOR AND BREAK OFF BIT. MOTOR WAS EMPTY AND BIT WAS BALLED UP.
22:30	23:00	0.5	Surface Drilling	Other		1,218	PJSM. RIG UP FLOOR AND CASING RUNNING EQUIPMENT FOR 13-3/8" SURFACE CASING.
23:00	01:30	2.5	Surface Casing	Run Csg & Cement		1,218	MAKE UP AND RUN 13-3/8" 54.5# J-55 BTC TO 1,212'. CENTRALIZERS: CENTERED ON SHOE TRACK, TOP OF NEXT THREE JOINTS, EVERY FOURTH JOINT TO SURFACE. PROPER DISPLACEMENT RECEIVED.
01:30	06:00	4.5	Surface Casing	Other	Cement / Casing	1,218	WAITING ON CEMENTERS. 4.5 HRS NPT DUE TO WTC.

TOTAL HRS 24.0

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/16/2019
RPT NUM.: 8
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H
FIELD: Bone Spring
AFE #: NM0085
CONTRACTOR:
SPUD DATE: 10/14/2019
MD/TVD: 1218 FT/1218 FT
JOB: Drilling
LEASE: Dagger Lake 5 State Com #605H
API #: 30-025-46292
ELEVATION:
DFS: 2
24 HR FTG:
RIG SUPERV: T. NASH / J. KING
RIG PHONE: 432-888-0997
EMAIL: hp466@advanceenergypartners.com
RKB:
DOL: 7
HRS DRLG:

LAST 24 HOUR SUMMARY: LAND 13.375" CSG @ 1,208', CIRC 1.5 X CSG CAP., L/D LANDING JOINT. (RELEASED RIG @ 09:00 ON 10/15/19)
PRESENT OPERATIONS: WALKING TO DAGGER LAKE 5 STATE COM #607H
ACTIVITY PLANNED: SPUDDING IN ON THE DAGGER LAKE 5 STATE COM #607H

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $74,679 | CUM DRILL COST: $660,433 | CUM WELL COST: $660,433

BOP

LAST BOP TEST: | LAST BOP DRILL: | NEXT BOP TEST:

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	13.63	54.5	J55		

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
20:00	9.2	30.0	99.0	8.2	3	1	2	2	1	1	2,250		0.03	0.08			6.20	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	17.50	BAKER	DP606S	5296623	9 X 12'S	N	145	1,218	1,073		40		

BIT NO. 1 | INNER: 1 | OUTER: 2 | DULL: CC | LOC: MIDDLE | SEAL: | GAUGE: 1 | OTHER: | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-BAKER DP606S	17.5		1.5	7	X-Over-CROSS OVER SUB	8.3	2.75	3.54
2	Motor-MOTOR 17" STAB	9.63		39.35	8	Drill Pipe-5.5 HWDP	5.5	3.38	819.73
3	Stabilizer-17" STABILIZER	8.25	2.81	7.83					
4	MWD Tool-8" UBHO	8	2.88	2.93					
5	Monel Collar-8" NMDC	8.1	3.5	30.92					
6	Monel Collar-8" NMDC	8.22	3.31	29.83					

DESCRIPTION: DIRECTIONAL BHA #1
LENGTH: 935.63 | BHA WT. AIR: | BHA WT. MUD: | HRS. ON JARS:
ROT. WT.: | P.U. WT.: | S.O. WT.: | TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S COORDINATES	E/W	V. SECTION	DLS
866	0.90	223.70	866	3.6	-4.1	3.8	0.5
957	1.00	220.50	957	2.1	-4.9	2.3	0.1
1,047	1.20	202.70	1,047	0.7	-5.8	0.9	0.4
1,137	1.40	204.60	1,137	-1.2	-6.6	-1.0	0.2

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,227	9,552

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	06:30	0.5	Surface Casing	Run Csg & Cement		1,218	LAND 13 3/8" WELL HEAD @ 1,208'
06:30	08:30	2.0	Surface Casing	Cond Mud & Circ		1,218	CIRCULATE 1.5 X CASING CAPACITY
08:30	09:00	0.5	Surface Cement	Run Csg & Cement		1,218	LAY DOWN 13 3/8" LANDING JOINT. RELEASE RIG @ 09:00 TO DAGGER LAKE 5 STATE COM 607H. **OFF LINE CEMENTING** 158 BBLS LEAD 12.8#, 51 BBLS TAIL 14.8#, DISPLACE WITH 181 BBLS OF BRINE. MAX PSI 550 AT 6 BPM. SLOWED DOWN THE LAST 20 BBLS TO 3.5 BPM PRESSURE. BUMP PLUG WITH 500 OVER AND HELD FOR 5 MIN. BLED BACK 1/2 BBL, FLOATS HELD. 45 BBLS OF CMT TO SURFACE.
		TOTAL HRS	3.0				

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/20/2019
RPT NUM.: 9
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H
FIELD: Bone Spring
AFE #: NM0085
CONTRACTOR:
SPUD DATE: 10/14/2019
MD/TVD: 1218 FT/1218 FT

JOB: Drilling
LEASE: Dagger Lake 5 State Com #605H
API #: 30-025-46292
ELEVATION:
DFS: 6
24 HR FTG:

RIG SUPERV: T. NASH / J. NEAL
RIG PHONE: 432-888-0997
EMAIL: hp466@advanceenergypartners.com
RKB:
DOL: 11
HRS DRLG:

LAST 24 HOUR SUMMARY: SKID RIG FROM DAGGER LAKE 5 STATE COM 607H AND CENTER OVER WELL, TEST BOP BREAKS 250 PSI LOW AND 5000 PSI HIGH FOR 5MINS/10/MINS, TEST MUDLINE BACK TO PUMPS TO 5000 PSI FOR 5 MINS, TEST 13 3/8 SURFACE CASING TO 1500 PSI FOR 30 MINS, PICK UP BIT AND BHA

PRESENT OPERATIONS: PICK UP BHA

ACTIVITY PLANNED: TIH, DRILL OUT SHOE TRACK, DRILL AHEAD TO FIT CASING AT 4,800'

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $22,871 | CUM DRILL COST: $753,140 | CUM WELL COST: $753,140

BOP

LAST BOP TEST: | LAST BOP DRILL: | NEXT BOP TEST:

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	13.63	54.5	J55	1,417	1,415

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
1	17.50	BAKER	DP606S	5296623	9 X 12'S	N	145	1,218	1,073	6.0	40		178.83

BIT NO. 1 | INNER: 1 | OUTER: 2 | DULL: CC | LOC: MIDDLE | SEAL: | GAUGE: 1 | OTHER: | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-DP606S	17.5		1.5	7	X-Over-CROSS OVER SUB	8.3	2.75	3.54
2	Motor-MOTOR 17" STAB	9.63		39.35	8	Drill Pipe-5.5 HWDP	5.5	3.38	819.73
3	Stabilizer-17" STABILIZER	8.25	2.81	7.83					
4	MWD Tool-8" UBHO	8	2.88	2.93					
5	Monel Collar-8" NMDC	8.1	3.5	30.92					
6	Monel Collar-8" NMDC	8.22	3.31	29.83					

DESCRIPTION: DIRECTIONAL BHA #1

LENGTH: 935.63 | BHA WT. AIR: | BHA WT. MUD: | HRS. ON JARS:

ROT. WT.: | P.U. WT.: | S.O. WT.: | TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
866	0.90	223.70	866	3.6		-4.1	3.8	0.5
957	1.00	220.50	957	2.1		-4.9	2.3	0.1
1,047	1.20	202.70	1,047	0.7		-5.8	0.9	0.4
1,137	1.40	204.60	1,137	-1.2		-6.6	-1.0	0.2

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,249	8,303

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
23:00	00:30	1.5	Skid	Other		1,218	SKID RIG FROM DAGGER LAKE 5 STATE COM 607H AND CENTER OVER HOLE
00:30	02:00	1.5	Skid	Nipple Up B.O.P.		1,218	NIPPLE UP BOP AND FLOWLINE, INSTALL LINES FOR PUMP BACK, FLARE, PANIC LINE, AND MUDLINE
02:00	03:30	1.5	Skid	Test B.O.P.		1,218	FILL STACK AND TEST BREAKS (250LOW 5 MINS/5000 PSI HIGH 10 MINS), TEST MUDLINE BACK TO PUMPS TO 5000 PSI FOR 5 MINS, GOOD TESTS
03:30	04:00	0.5	Skid	Drill Stem Test		1,218	TEST 13 3/8 SURFACE CASING TO 1500 PSI FOR 30 MINS
04:00	04:30	0.5	Intermediate Drilling	Other		1,218	INSTALL WEAR BUSHING
04:30	06:00	1.5	Intermediate Drilling	Dir Work		1,218	CHANGE OUT SS TO 11 3/4" NBS ON MOTOR, PICK UP BIT, PICK UP NMDC
						1,218	0200 TO 0500 AM RIG UP WEST TEXAS CEMENTER'S TO PREFORM OFFLINE CEMENT JOB AS FOLLOW'S PUMP 2 BBLS FRESH WATER AND TEST LINES TO 2000 PSI, 20 BBLS OF GREEN DYED FRESH WATER SPACER. LEAD 1010 SKS,452 BBLS,(2.51 YIELD) OF 11.8 PPG. TAIL 295 SKS,68 BBLS,(1.3 YIELD) OF 14.2 PPG. DROP PLUG AND DISPLACE 171 BBLS OF FRESH WATER/191 BBLS BRINE 8 BPM MAX PRESSURE OF 1120 PSI,SLOWED DOWN LAST 20 BBLS TO 4 BPM LAND PLUG AT 850 PSI AND PRESSURED UP TO 1600 HELD FOR 5 MINS. BLEED BACK 2 BBLS FLOATS HELD. CEMENT TO SURFACE 45 BBLS 99 SKS.
	TOTAL HRS	7.0					

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/21/2019
RPT NUM.: 10
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H	JOB: Drilling	RIG SUPERV: T. NASH / J. NEAL
FIELD: Bone Spring	LEASE: Dagger Lake 5 State Com #605H	RIG PHONE: 432-888-0997
AFE #: NM0085	API #: 30-025-46292	EMAIL: hp466@advanceenergypartners.com
CONTRACTOR:	ELEVATION:	RKB:
SPUD DATE: 10/14/2019	DFS: 7	DOL: 12
MD/TVD: 4295 FT/4295 FT	24 HR FTG: 3077	HRS DRLG: 22

LAST 24 HOUR SUMMARY: INSTALL WEAR BUSHING, PICK UP NEW BHA AND SCRIBE, INSTALL MWD, DRILL OUT SHOE TRACK, DRILL 12.25' INTERMEDIATE HOLE FROM 1,218' TO 4,295

PRESENT OPERATIONS: DRILLING AHEAD 12.25" INTERMEDIATE HOLE AT 4,295'

ACTIVITY PLANNED: DRILL HOLE TO TD OF 4,841', TOOH, RUN CASING AND CEMENT

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $73,207 | CUM DRILL COST: $828,914 | CUM WELL COST: $828,914

BOP

LAST BOP TEST: 10/17/19 | LAST BOP DRILL: 10/20/19 | NEXT BOP TEST: 11/7/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	13.63	54.5	J55	1,417	1,415

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
12:30	10.3	31.0	99.0	10.0	3	1	3	5	2	3	186,000		0.13	0.22			2.70	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	12.25	BAKER	T806FX	7613748	8X12	N	0						
1	17.50	BAKER	DP606S	5296623	9 X 12'S	N	145	1,218	1,073	6.0	40		178.83

BIT NO. 1 | INNER: 1 | OUTER: 2 | DULL: CC | LOC: MIDDLE | SEAL: | GAUGE: 1 | OTHER: | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000	93			3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000	93			3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000	93			3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-T806FX	12.25		1.5	7	X-Over-CROSS OVER SUB	7.63	2.88	2.82
2	Motor-MOTOR	8		35.96	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-11.75" STABILIZER	8.38	2.81	7.92	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-8" UBHO	8	2.88	2.93	10	Drill Pipe-5.5 HWDP	5.5	3.38	819.73
5	Monel Collar-8" NMDC	8.1	3.5	30.92					
6	Monel Collar-8" NMDC	8.22	3.31	29.83					

DESCRIPTION: DIRECTIONAL BHA #2

LENGTH: 1,472.91 | BHA WT. AIR: | BHA WT. MUD: | HRS. ON JARS:

ROT. WT.: 197 | P.U. WT.: 208 | S.O. WT.: 185 | TORQUE: 13

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S (COORDINATES)	E/W (COORDINATES)	V. SECTION	DLS
3,827	0.60	208.80	3,826	-21.1	15.2		0.5
3,917	0.80	174.70	3,916	-22.1	15.1		0.5
4,007	1.10	150.80	4,006	-23.5	15.5		0.6
4,096	1.10	139.30	4,095	-24.9	16.5		0.3

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		3,091	5,212

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	06:30	0.5	Intermediate Drilling	Other		1,218	INSTALL WEAR BUSHING
06:30	07:00	0.5	Intermediate Drilling	Dir Work		1,218	P/U 2 NMDC, UBHO, SCRIBE, INSTALL MWD, INSTALL XO
07:00	08:00	1.0	Intermediate Drilling	Trips		1,218	TIH FROM BHA TO 1,154', TAG CEMENT
08:00	11:00	3.0	Intermediate Drilling	Drilling		1,218	DRILL OUT PLUG, FLOAT, AND SHOE TO 1,218'
11:00	16:00	5.0	Intermediate Drilling	Drilling		2,329	DRILLING 12.25" INTERMEDIATE SECTION F/ 1,218' TO 2,329'. WOB 36K, DIFF 550-700 PSI, 75 RPM, TRQ 10 - 27, 900 GPM, OFF BOTTOM 3200PSI. 5 HR ROTATE - 0 HR SLIDE DRL 1,111' ROP 222.2 FPH
16:00	21:00	5.0	Intermediate Drilling	Drilling		3,226	DRILLING 12.25" INTERMEDIATE SECTION F/ 2,329' TO 3,226'. WOB 36K, DIFF 550-700 PSI, 80 RPM, TRQ 10 - 27, 900 GPM, OFF BOTTOM 3300PSI. 4 HR ROTATE - 1 HR SLIDE DRL 897' ROP 179.4 FPH
21:00	03:00	6.0	Intermediate Drilling	Drilling		4,058	DRILLING 12.25" INTERMEDIATE SECTION F/ 3,226' TO 4,058'. WOB 40K, DIFF 500-600 PSI, 80 RPM, TRQ 10 - 15, 900 GPM, OFF BOTTOM 3400PSI. 5 HR ROTATE - 1 HR SLIDE DRL 832' ROP 138.7 FPH
03:00	06:00	3.0	Intermediate Drilling	Drilling		4,295	DRILLING 12.25" INTERMEDIATE SECTION F/ 4,058' TO 4,295'. WOB 36K, DIFF 500-600 PSI, 70 RPM, TRQ 10 - 15, 900 GPM, OFF BOTTOM 3450PSI. 3 HR ROTATE - 0 HR SLIDE DRL 237' ROP 79 FPH

TOTAL HRS 24.0

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/22/2019
RPT NUM.: 11
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H
JOB: Drilling
RIG SUPERV: T. NASH / J. NEAL
FIELD: Bone Spring
LEASE: Dagger Lake 5 State Com #605H
RIG PHONE: 432-888-0997
AFE #: NM0085
API #: 30-025-46292
EMAIL: hp466@advanceenergypartners.com
CONTRACTOR:
ELEVATION:
RKB:
SPUD DATE: 10/14/2019
DFS: 8
DOL: 13
MD/TVD: 4841 FT/4840 FT
24 HR FTG: 546
HRS DRLG: 6

LAST 24 HOUR SUMMARY: DRILL 12.25" INTERMEDIATE SECTION FROM 4,295 TO 4,841', SECTION TD, CIRCULATE HOLE CLEAN, TOOH FROM 4,841' TO BHA, LAY DOWN BIT AND MUD MOTOR, RACK BACK NMDC IN DERRICK, M/U AND RUN 9 5/8 CASING TO 4,831', LAND CASING WITH 90K OVER, CIRCULATE 1.5 X CASING CAPACITY, DRAWWORKS MOTHERBOARD MALIFUNCTION, INSTALL NEW ONE, UNABLE TO LOAD PARAMETERS, REMOVE MOITHERBOARD FROM MP #3 AND INSTALL

PRESENT OPERATIONS: ATTEMPT TO INSTALL 488 PARAMETERS ON MOTHERBOARD FOR DRAWWORKS

ACTIVITY PLANNED: SKID TO DAGGER LAKE 5 STATE COM 803H, PERFOM OFFLINE CEMENT JOB ON DAGGER LAKE 5 STATE COM 605H

COST DATA

DRILLING AFE AMT:
DAILY DRILL COST: $207,623
CUM DRILL COST: $1,040,149
CUM WELL COST: $1,040,149

BOP

LAST BOP TEST: 10/17/19
LAST BOP DRILL: 10/20/19
NEXT BOP TEST: 11/7/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	13.63	54.5	J55	1,417	1,415
Intermediate	9.63	40	HCL-80,J-55	4,831	

MUD

DAILY MUD COST:
CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
22:00	10.5	30.0	99.0	10.0	3	1	3	5	2	3	188,000		0.12	0.18			4.20	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	12.25	BAKER	T806FX	7613748	8X12	N	4,295	4,841	546		46	150	
1	17.50	BAKER	DP606S	5296623	9 X 12'S	N	145	1,218	1,073	6.0	40		178.83

BIT NO. 1 INNER: 1 OUTER: 2 DULL: CC LOC: MIDDLE SEAL: GAUGE: 1 OTHER: RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-T806FX	12.25		1.5	7	X-Over-CROSS OVER SUB	7.63	2.88	2.82
2	Motor-MOTOR	8		35.96	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-11.75" STABILIZER	8.38	2.81	7.92	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-8" UBHO	8	2.88	2.93	10	Drill Pipe-5.5 HWDP	5.5	3.38	819.73
5	Monel Collar-8" NMDC	8.1	3.5	30.92					
6	Monel Collar-8" NMDC	8.22	3.31	29.83					

DESCRIPTION: DIRECTIONAL BHA #2
LENGTH: 1,472.91 BHA WT. AIR: BHA WT. MUD: HRS. ON JARS:
ROT. WT.: P.U. WT.: S.O. WT.: TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S COORDINATES	E/W	V. SECTION	DLS
4,543	1.20	152.80	4,542	-34.1	20.9		0.4
4,633	1.40	224.70	4,632	-35.7	20.6		1.7
4,722	3.00	272.60	4,721	-36.3	17.5		2.6
4,776	3.00	269.10	4,775	36.3	14.7	-36.9	0.3

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,004	3,208

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	12:00	6.0	Intermediate Drilling	Drilling		4,841	DRILLING 12.25" INTERMEDIATE SECTION F/ 4,295' TO 4,841'. WOB 45K, DIFF 550-750 PSI, 70 RPM, TRQ 10 - 15, 900 GPM, OFF BOTTOM 3450PSI. 5 HR ROTATE - 1 HR SLIDE DRL 546' ROP 91 FPH TD INTERMEDIATE SECTION AT 4,841' ON 10/21/19 @ 12:00
12:00	13:00	1.0	Intermediate Drilling	Cond Mud & Circ		4,841	CIRCULATE 2 BTTMS UP UNTIL HOLE IS CLEAN. PUMP SLUG.
13:00	14:30	1.5	Intermediate Drilling	Trips		4,841	POOH DUE TO TD OF SECTION F/ 4,841' TO 653'.
14:30	15:00	0.5	Intermediate Drilling	Trips		4,841	POOH 6 STANDS OF 6.5" D.C.'S F/ 653' TO 111'.
15:00	15:30	0.5	Intermediate Drilling	Dir Work		4,841	L/D AND RACK BACK DIRECTIONAL BHA #2. PULL MWD, RACK BACK NMDCS', DRAIN MOTOR, BREAK AND L/D BIT, MOTOR AND STABILIZER.
15:30	16:00	0.5	Intermediate Drilling	Other		4,841	PULL WEAR BUSHING.
16:00	17:00	1.0	Intermediate Casing	Run Csg & Cement		4,841	HOLD PJSM AND R/U CSG CREW.
17:00	21:30	4.5	Intermediate Casing	Run Csg & Cement		4,841	MAKE UP SHOE TRACK, TEST SAME AND RUN 9-5/8" 40.0# HCL-80 LTC TO 990' AND 9-5/8 40.0# J-55 TO 2,313'. INSTALL DV TOOL. RUN 9-5/8 40.0# J-55 TO 4,797'. CENTRALIZERS: CENTERED ON SHOE TRACK, TOP OF NEXT THREE JOINTS, EVERY FORTH JOINT. ONE ABOVE AND BELOW DV TOOL, PROPER DISPLACEMENT RECEIVED.
21:30	22:00	0.5	Intermediate Casing	Run Csg & Cement		4,841	P/U LANDING JOINT AND HANGER AND LAND @ 4,831'
22:00	22:30	0.5	Intermediate Casing	Run Csg & Cement		4,841	RIG DOWN CASING RUNNING EQUIPMENT AND REMOVE OFF RIG FLOOR
22:30	00:00	1.5	Intermediate Casing	Cond Mud & Circ		4,841	RIG UP SWEDGE AND CIRCULATION HOSE, CIRCULATE 1.5X CASING CAPACITY
00:00	06:00	6.0	Intermediate Casing	Repair Rig	Equipment Failure	4,841	ATTEMPT TO MOVE DRAWWORKS AND THE MOTHERBOARD IN VFD HOUSE WENT OUT, WAIT ON MOTHERBOARD UNTIL 0300. INSTALL MOTHERBOARD AND ATTEMPT TO PROGRAM TO 466 SPECIFIC PARAMETERS. MOTHERBOARD WAS NOT CLEARED AND UNABLE TO INSTALL 466 PARAMETERS, INSTALL MOTHERBOARD FROM #3 MUD PUMP, ATTEMPT TO INSTALL 466 PARAMETERS

TOTAL HRS 24.0

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/23/2019
RPT NUM.: 12
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H | JOB: Drilling | RIG SUPERV: T. NASH / J. NEAL
FIELD: Bone Spring | LEASE: Dagger Lake 5 State Com #605H | RIG PHONE: 432-888-0997
AFE #: NM0085 | API #: 30-025-46292 | EMAIL: hp466@advanceenergypartners.com
CONTRACTOR: | ELEVATION: | RKB:
SPUD DATE: 10/14/2019 | DFS: 9 | DOL: 14
MD/TVD: 4841 FT/4840 FT | 24 HR FTG: | HRS DRLG:

LAST 24 HOUR SUMMARY: MAKE REPAIRS ON DRAWWORKS, L/D LANDING JOINT, M/U AND INSTALL APCK OFF, PULL TEST TO 50K, TEST UPPER AND LOWER SEALS TO 5,000 PSI FOR 5 MINS, PERFORM OFFLINE CEMENT OF 9 5/8 INTERMEDIATE CASING

PRESENT OPERATIONS: RIG RELEASED TO DAGGER LAKE 5 STATE COME 803H

ACTIVITY PLANNED:

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $167,889 | CUM DRILL COST: $1,238,995 | CUM WELL COST: $1,238,995

BOP

LAST BOP TEST: 10/17/19 | LAST BOP DRILL: 10/20/19 | NEXT BOP TEST: 11/7/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	MD	TVD
Surface	13.63	54.5	J55	1,417	1,415
Intermediate	9.63	40	HCL-80,J-55	4,831	

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
22:00	10.3	30.0	99.0	10.0	2	1	3		5	2	3	188,000		0.10	0.20			2.50	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
2	12.25	BAKER	T806FX	7613748	8X12	N	4,295	4,841	546	17.8	46	150	30.674
1	17.50	BAKER	DP606S	5296623	9 X 12	N	145	1,218	1,073	6.0	40	150	178.83

BIT NO. 2 | INNER: 1 | OUTER: 3 | DULL: CHIPPED | LOC: SHOULDER | SEAL: | GAUGE: 1 | OTHER: | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-T806FX	12.25		1.5	7	X-Over-CROSS OVER SUB	7.63	2.88	2.82
2	Motor-MOTOR	8		35.96	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-11.75" STABILIZER	8.38	2.81	7.92	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-8" UBHO	8	2.88	2.93	10	Drill Pipe-5.5 HWDP	5.5	3.38	819.73
5	Monel Collar-8" NMDC	8.1	3.5	30.92					
6	Monel Collar-8" NMDC	8.22	3.31	29.83					

DESCRIPTION: DIRECTIONAL BHA #2
LENGTH: 1,472.91 | BHA WT. AIR: | BHA WT. MUD: | HRS. ON JARS:
ROT. WT.: | P.U. WT.: | S.O. WT.: | TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S (COORDINATES)	E/W	V. SECTION	DLS
4,365	1.40	159.70	4,364	-30.0	19.3	-30.8	0.4
4,454	1.50	159.00	4,453	-32.1	20.1	-32.9	0.1
4,543	1.20	152.80	4,542	-34.1	20.9	-34.9	0.4
4,633	1.40	224.70	4,632	-35.7	20.6	-36.5	1.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel	7,000		10,208

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	08:00	2.0	Intermediate Casing	Repair Rig	Rig - Code 8	4,841	FOUND WIRE TO BE BAD THAT LOOPS THE 2 DRAWWORKS MOTORS TOGETHER SO THEY CAN COMMUNICATE, WE CAN NOW MOVE BLOCKS BUT WITH ONLY WITH ONE MOTOR. PROPER WIRE TO FIX CORRECTLY IS COMING OUT OF MIDLAND TX AND SHOULD ARRIVE SHORTLY AFTER LUNCH. WE ARE MOVING AHEAD BUT CAN NOT PULL OVER 230K.
08:00	10:00	2.0	Wellhead	Other		4,841	L/D PUMP IN SWEDGE AND LANDING JOINT. M/U AND INSTALL PACK OFF, PULL TEST 50K OVER AND PRESSURE TEST BOTTOM SEALS TO 5,000 PSI FOR 5 MIN. REMOVE PACK OFF SET TOOL, M/U AND INSTALL TEST PLUG. TEST UPPER SEALS ON PACK OFF TO 5,000 PSI AND HOLD FOR 5 MIN. REMOVE AND L/D TEST PLUG. RELEASE RIG FROM THE DAGGER LAKE 5 STATE COM #605H @ 10:00 ON 10/22/19.
			Wellhead			4,841	1300 TO 1600 RIG UP WEST TEXAS CEMENTER'S TO PREFORM OFFLINE CEMENT JOB AS FOLLOW'S PUMP 2 BBLS FRESH WATER AND TEST LINES TO 2000 PSI, 40 BBLS OF GREEN DYED FRESH WATER SPACER. LEAD 1010 SKS,452 BBLS,(2.51 YIELD) OF 11.8 PPG. TAIL 295 SKS,68 BBLS,(1.3 YIELD) OF 14.2 PPG. DROP PLUG AND DISPLACE 210 BBLS OF FRESH WATER 151 BBLS BRINE 7 BPM MAX PRESSURE OF 1400 PSI,SLOWED DOWN LAST 20 BBLS TO 4 BPM LAND PLUG AT 1118 PSI AND PRESSURED UP TO 1700 HELD FOR 5 MINS. BLEED BACK 2 BBLS FLOATS HELD. CEMENT TO SURFACE 110 BBLS (247 SKS).

TOTAL HRS 4.0

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/30/2019
RPT NUM.: 13
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H | JOB: Drilling | RIG SUPERV: T. NASH / J. NEAL
FIELD: Bone Spring | LEASE: Dagger Lake 5 State Com #605H | RIG PHONE: 432-888-0997
AFE #: NM0085 | API #: 30-025-46292 | EMAIL: hp466@advanceenergypartners.com
CONTRACTOR: | ELEVATION: | RKB:
SPUD DATE: 10/14/2019 | DFS: 16 | DOL: 21
MD/TVD: 4841 FT/4840 FT | 24 HR FTG: | HRS DRLG:

LAST 24 HOUR SUMMARY: SKID RIG FROM DAGGER LAKE 5 STATE COM 803H, N/U BOP AND TEST, P/U BHA AND TIH TO DV TOOL, DRILL OUT DV TOOL

PRESENT OPERATIONS: DRILL OUT DV TOOL

ACTIVITY PLANNED: TEST CASING TO 1500 PSI FOR 30 MINS, DRILL OUT SHOE TRACK AND THEN TO SECTION TD

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $17,920 | CUM DRILL COST: $1,231,655 | CUM WELL COST: $1,231,655

BOP

LAST BOP TEST: 10/17/19 | LAST BOP DRILL: 10/28/19 | NEXT BOP TEST: 11/7/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	CONNECTION	MD	TVD
Surface	13.63	54.5	J55	BTC	1,417	1,415
Intermediate	9.63	40	HCL-80,J-55	LTC	4,831	

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)	PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS (Number X Size)	TFA (in^2)	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
3	8.50	REED	TKC66	A254583	6x16	1.178	N	0						
2	12.25	BAKER	T806FX	7613748			N	4,295	4,841	546	17.8	46	150	30.674

BIT NO. 2 | INNER: 1 | OUTER: 3 | DULL: CHIPPED | LOC: SHOULDER | SEAL: | GAUGE: 1 | OTHER: | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-T806FX	12.25		1.5	7	X-Over-CROSS OVER SUB	7.63	2.88	2.82
2	Motor-MOTOR	8		35.96	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-11.75" STABILIZER	8.38	2.81	7.92	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-8" UBHO	8	2.88	2.93	10	Drill Pipe-5.5 HWDP	5.5	3.38	819.73
5	Monel Collar-8" NMDC	8.1	3.5	30.92					
6	Monel Collar-8" NMDC	8.22	3.31	29.83					

DESCRIPTION: DIRECTIONAL BHA #2

LENGTH: 1,472.91 | BHA WT. AIR: | BHA WT. MUD: | HRS. ON JARS:
ROT. WT.: | P.U. WT.: | S.O. WT.: | TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S COORDINATES	E/W	V. SECTION	DLS
4,365	1.40	159.70	4,364	-30.0	19.3	-30.8	0.4
4,454	1.50	159.00	4,453	-32.1	20.1	-32.9	0.1
4,543	1.20	152.80	4,542	-34.1	20.9	-34.9	0.4
4,633	1.40	224.70	4,632	-35.7	20.6	-36.5	1.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		4,232	5,976

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
19:30	20:30	1.0	Skid	Other		4,841	RIG DOWN ALL LINES IN BACK YARD AND SKID RIG FROM DAGGER LAKE 5 STATE COM 803H AND CENTER OVER WELL
20:30	21:30	1.0	Skid	Other		4,841	RIG UP BACK YARD LINES, CAT WALK, AND SET MOUSEHOLE
21:30	22:30	1.0	Intermediate Vertical Drilling	Nipple Up B.O.P.		4,841	N/U BOP
22:30	23:30	1.0	Intermediate Vertical Drilling	Test B.O.P.		4,841	TEST BREAKS ON BOP 250 PSI LOW/5MINS 5000 PSI HIGH/10 MINS
23:30	01:00	1.5	Intermediate Vertical Drilling	Other		4,841	INSTALL PANIC LINE, FLARE LINE, AND FLOW LINE
01:00	02:00	1.0	Intermediate Vertical Drilling	Other		4,841	PULL TEST PLUG AND INSTALL WEAR BUSHING, CLEAN RIG FLOOR AND PREPARE FOR P/U BHA
02:00	03:30	1.5	Intermediate Vertical Drilling	Dir Work		4,841	P/U MOTOR, BIT , UBHO, STAB , 2 NMDC, AND MWD TOOL, SCRIBE
03:30	05:30	2.0	Intermediate Vertical Drilling	Trips		4,841	TIH F/ BHA TO 2,516'. TEST MWD, GOOD TEST
05:30	06:00	0.5	Intermediate Vertical Drilling	Other		4,841	FILL PIPE AND DRILL OUT DV TOOL
	TOTAL HRS	10.5					

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 10/31/2019
RPT NUM.: 14
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME:	Dagger Lake 5 State Com #605H	JOB:	Drilling	RIG SUPERV:	T. NASH / J. NEAL
FIELD:	Bone Spring	LEASE:	Dagger Lake 5 State Com #605H	RIG PHONE:	432-888-0997
AFE #:	NM0085	API #:	30-025-46292	EMAIL:	hp466@advanceenergypartners.com
CONTRACTOR:		ELEVATION:		RKB:	
SPUD DATE:	10/14/2019	DFS:	17	DOL:	22
MD/TVD:	8579 FT/8565 FT	24 HR FTG:	3738	HRS DRLG:	6.5

LAST 24 HOUR SUMMARY: TRIP IN HOLE; CANCEL DV TOOL AND DRILL OUT; PERFORM CASING TEST; TIH; INSTALL ROTATING HEAD; RIG SERVICE; DRILL CEMENT AND FLOAT EQUIP.; DRILL 8.5" VERTICAL TANGENT F/ 4,841' TO 8579'

PRESENT OPERATIONS: DRILLING 8.5" TANGENT AT 8,579'

ACTIVITY PLANNED: DRILL AHEAD IN 8.5" TANGENT / VERTICAL TOWARDS KOP

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $29,706 | CUM DRILL COST: $1,274,862 | CUM WELL COST: $1,274,862

BOP

LAST BOP TEST: 10/17/19 | LAST BOP DRILL: 10/28/19 | NEXT BOP TEST: 11/7/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	CONNECTION	MD	TVD
Surface	13.63	54.5	J55	BTC	1,417	1,415
Intermediate	9.63	40	HCL-80,J-55	LTC	4,831	

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
2:00	9.3	30.0	99.0	10.1	2	1	2	3	3	2	80,000		0.20	0.40			1.70	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS (Number X Size)	TFA (in^2)	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
3	8.50	REED	TKC66	A254583	6x16	1.178	N	4,841	8,579	3,738		40	.26	
2	12.25	BAKER	T806FX	7613748	6x12	0.663	N	4,295	4,841	546	17.8	46	150	30.674

BIT NO. 2 | INNER: 1 | OUTER: 3 | DULL: CHIPPED | LOC: SHOULDER | SEAL: | GAUGE: 1 | OTHER: | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000				3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-TKC66	8.5		1	7	X-Over-CROSS OVER SUB	6.26	2.81	1.94
2	Motor-MOTOR	7.05		33.9	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-8.5" STABILIZER	6.54	2.81	5.13	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-UBHO	6.78	2.81	3.54	10	Drill Pipe-5.5 HWDP	5.5	3.38	851.3
5	Monel Collar-6.75" NMDC	6.49	3.25	30.33					
6	Monel Collar-6.75" NMDC	6.44	3.25	29.53					

DESCRIPTION: DIRECTIONAL BHA #3

LENGTH: 1,497.97 | BHA WT. AIR: | BHA WT. MUD: | HRS. ON JARS:

ROT. WT.: | P.U. WT.: | S.O. WT.: | TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S (COORDINATES)	E/W	V. SECTION	DLS
4,365	1.40	159.70	4,364	-30.0	19.3	-30.8	0.4
4,454	1.50	159.00	4,453	-32.1	20.1	-32.9	0.1
4,543	1.20	152.80	4,542	-34.1	20.9	-34.9	0.4
4,633	1.40	224.70	4,632	-35.7	20.6	-36.5	1.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel	6,997	2,224	10,749

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	06:30	0.5	Production Vertical Drilling	Other		4,841	PERFORM CASING TEST TO 1500 PSI FOR 30 MINUTES - GOOD TEST. FINAL PSI OF 1441
06:30	08:30	2.0	Production Vertical Drilling	Trips		4,841	TRIP IN HOLE F/ 2,517' TO 4,783'
08:30	09:00	0.5	Production Vertical Drilling	Trips		4,841	PULL TRIP NIPPLE AND INSTALL ROTATING HEAD.
09:00	09:30	0.5	Production Vertical Drilling	Rig Service		4,841	SERVICE RIG
09:30	10:30	1.0	Production Vertical Drilling	Reaming		4,841	TAG CEMENT AT 4,783' AND DRILL TO TAG FLOAT COLLAR AT 4,785'. DRILL FLOAT COLLAR CEMENT AND FLOAT SHOE. GPM 500, WOB 5-17K, ROT 10-20, TQ 3-6K, SPP 1400
10:30	17:00	6.5	Production Vertical Drilling	Drilling		6,152	DRILL AHEAD IN 8.5" TANGENT/ VERTICAL F/ 4,841' T/ 6152' DRL 1,311' ROP 201.6 FPH, WOB 35-40K, DIFF 550-875, 40 RPM, TRQ 10-18, 600-700 GPM, OFF BOTTOM 1750PSI, 5.5 HR ROTATE - 1 HR SLIDE
17:00	18:30	1.5	Production Vertical Drilling			6,582	DRILL AHEAD IN 8.5" TANGENT/ VERTICAL F/ 6,152' T/ 6,582' DRL 430' ROP 286.6 FPH, WOB 35-40K, DIFF 550-875, 50 RPM, TRQ 10-18, 600-700 GPM, OFF BOTTOM 1750PSI, 1 HR ROTATE - .5 HR SLIDE
18:30	06:00	11.5	Production Vertical Drilling			6,582	DRILL AHEAD IN 8.5" TANGENT/ VERTICAL F/ 6,582' T/ 8,579' DRL 430' ROP 173.6 FPH, WOB 35-40K, DIFF 550-875, 50 RPM, TRQ 10-18, 600-700 GPM, OFF BOTTOM 1750PSI, 11 HR ROTATE - .5 HR SLIDE
	TOTAL HRS	24.0					

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 11/01/2019
RPT NUM.: 15
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H
FIELD: Bone Spring
AFE #: NM0085
CONTRACTOR:
SPUD DATE: 10/14/2019
MD/TVD: 10374 FT/10340 FT

JOB: Drilling
LEASE: Dagger Lake 5 State Com #605H
API #: 30-025-46292
ELEVATION:
DFS: 18
24 HR FTG: 1795

RIG SUPERV: T. NASH / J. NEAL
RIG PHONE: 432-888-0997
EMAIL: hp466@advanceenergypartners.com
RKB:
DOL: 23
HRS DRLG: 22.5

LAST 24 HOUR SUMMARY: DRILL 8.5" TANGENT VERTICAL F/ 8,579' TO 10,374', C/O RUPTURED STANDPIPE GASKET, RIG SERVICE
PRESENT OPERATIONS: DRLG 8.5" VERTICAL AT 10,374'
ACTIVITY PLANNED: DRILL AHEAD IN 8.5" VERTICAL TOWARDS KOP

COST DATA

DRILLING AFE AMT: DAILY DRILL COST: $60,717 CUM DRILL COST: $1,397,746 CUM WELL COST: $1,397,746

BOP

LAST BOP TEST: 10/17/19 LAST BOP DRILL: 10/28/19 NEXT BOP TEST: 11/7/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	CONNECTION	MD	TVD
Surface	13.63	54.5	J55	BTC	1,417	1,415
Intermediate	9.63	40	HCL-80,J-55	LTC	4,831	4,830

MUD

DAILY MUD COST: CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
2:00	9.2	30.0	99.0	10.2	2	1	2	3	3	2	71,000		0.20	0.40	1,320		1.60	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS (Number X Size)	TFA (in^2)	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
3	8.50	REED	TKC66	A254583	6x16	1.178	N	8,579	10,374	1,795		45	.26	
2	12.25	BAKER	T806FX	7613748	6x12	0.663	N	4,295	4,841	546	17.8	46	150	30.674

BIT NO. 2 INNER: 1 OUTER: 3 DULL: CHIPPED LOC: SHOULDER SEAL: GAUGE: 1 OTHER: RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000	62	1900	600	3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000	62	1900	600	3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000	62	1900	600	3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-TKC66	8.5		1	7	X-Over-CROSS OVER SUB	6.26	2.81	1.94
2	Motor-MOTOR	7.05		33.9	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-8.5" STABILIZER	6.54	2.81	5.13	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-UBHO	6.78	2.81	3.54	10	Drill Pipe-5.5 HWDP	5.5	3.38	851.3
5	Monel Collar-6.75" NMDC	6.49	3.25	30.33					
6	Monel Collar-6.75" NMDC	6.44	3.25	29.53					

DESCRIPTION: DIRECTIONAL BHA #3
LENGTH: 1,497.97 BHA WT. AIR: BHA WT. MUD: HRS. ON JARS:
ROT. WT.: 316,000 P.U. WT.: 365,000 S.O. WT.: 270,000 TORQUE: 16

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S COORDINATES	E/W	V. SECTION	DLS
9,861	1.32	308.95	9,843	212.9	-293.7	224.5	1.4
9,950	1.27	307.89	9,932	214.1	-295.3	225.8	0.1
10,040	1.01	3.79	10,022	215.5	-296.0	227.2	1.2
10,125	1.19	28.14	10,107	217.0	-295.6	228.7	0.6

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		2,253	8,496

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	13:00	7.0	Production Vertical Drilling	Drilling		9,071	DRILL AHEAD IN 8.5" TANGENT/ VERTICAL F/ 8,579' T/ 9,071' DRL 492' ROP 70.2 FPH, WOB 35-40K, DIFF 350-600, 40 RPM, TRQ 10-18, 600-700 GPM, OFF BOTTOM 1900PSI, 6 HR ROTATE - 1 HR SLIDE
13:00	16:00	3.0	Production Vertical Drilling	Drilling		9,291	DRILL AHEAD IN 8.5" TANGENT/ VERTICAL F/ 9,071' T/ 9,291' DRL 220' ROP 73.3 FPH, WOB 35-40K, DIFF 300-600, 40 RPM, TRQ 10-18, 600 GPM, OFF BOTTOM 1875PSI, 3 HR ROTATE - 0 HR SLIDE
16:00	17:30	1.5	Production Vertical Drilling	Repair Rig		9,291	BREAK LOOSE UNION ON STANDPIPE AND REPLACE RUPTURED GASKET.
17:30	22:30	5.0	Production Vertical Drilling	Drilling		9,836	DRILL AHEAD IN 8.5" TANGENT/ VERTICAL F/ 9,291' T/ 9,836 545' ROP 109FPH, WOB 35K DIFF 300-600, 40 RPM TRQ 10-18, 600 GPM, OFF BOTTOM PSI 1850 5 HR ROTATE - 0 HR SLIDE
22:30	02:00	3.5	Production Vertical Drilling	Drilling		10,050	DRILL AHEAD IN 8.5" TANGENT/ VERTICAL F/ 9.836' T/ 10,050 214' ROP 61 FPH, WOB 40K DIFF 300-600, 40 RPM, TRQ 10-18, 600 GPM, OFF BOTTOM PSI 1900, 1 HR ROT - 2 HR SLIDE
02:00	06:00	4.0	Production Vertical Drilling	Drilling		10,374	DRILL AHEAD IN 8.5" TANGENT/VERTICAL F/ 10,050' T/ 10,374' 324' ROP 81 FPH, WOB 45K, DIFF 300-600, 40 RPM, TRQ 10-18, 600 GPM, OFF BOTTOM PSI 1925, 4 HR ROT - 0 HR SLIDE

TOTAL HRS 24.0

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 11/02/2019
RPT NUM.: 16
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H
FIELD: Bone Spring
AFE #: NM0085
CONTRACTOR:
SPUD DATE: 10/14/2019
MD/TVD: 10778 FT/10703 FT

JOB: Drilling
LEASE: Dagger Lake 5 State Com #605H
API #: 30-025-46292
ELEVATION:
DFS: 19
24 HR FTG: 404

RIG SUPERV: FRANK CALHOUN / JOHN KING
RIG PHONE: 432-888-0997
EMAIL: hp466@advanceenergypartners.com
RKB:
DOL: 24
HRS DRLG: 5.5

LAST 24 HOUR SUMMARY: DRILL 8.5" TANGENT VERTICAL F/ 10,374' T/ 10,670', CIRCULATE BOTTOMS UP AND POOH FOR ROP, CHANGE BIT AND MWD, TIH T/ 4,633',S SLIP AND CUT DRILL LINE, TIH F/ 4,633' T/ 10,670, DRILL INTERMEADTIATE TANGENT f/ 10,670' T/ 10,778'.

PRESENT OPERATIONS: DRILL AHEAD IN THE INTERMEADIATE SECTION.

ACTIVITY PLANNED: DRILL AHEAD TO KICK OFF, P.O.O.H. AT TD, SET RETRIEVABLE BRIDE PLUG.

COST DATA

DRILLING AFE AMT: DAILY DRILL COST: $67,810 CUM DRILL COST: $1,481,323 CUM WELL COST: $1,481,323

BOP

LAST BOP TEST: 10/17/19 LAST BOP DRILL: 11/1/19 NEXT BOP TEST: 11/8/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	CONNECTION	MD	TVD
Surface	13.63	54.5	J55	BTC	1,417	1,415
Intermediate	9.63	40	HCL-80,J-55	LTC	4,831	4,830

MUD

DAILY MUD COST: CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
2:00	9.2	30.0	99.0	10.2	2	1	2	3	3	2	68,000		0.20	0.40	1,200		1.80	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS (Number X Size)	TFA (in^2)	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
4	8.50	SECURITY	MM65DRM	13271296	6x16	1.178	N	10,670	10,778	108	1.0	30	.26	108
3	8.50	REED	TKC66	A254583	6x16	1.178	N	10,374	10,670	296	4.5	45	.26	65.778

BIT NO. 3 INNER: 3 OUTER: 6 DULL: DBR LOC: S SEAL: GAUGE: 1/16 OTHER: RP: ROP

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000	62	2000	600	3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000	62	2000	600	3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000	62	2000	600	3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-MM65DMR	8.5		1	7	X-Over-CROSS OVER SUB	6.26	2.81	1.94
2	Motor-MOTOR	7.05		33.9	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-8.5" STABILIZER	6.54	2.81	5.13	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-UBHO	6.78	2.81	3.54	10	Drill Pipe-5.5 HWDP	5.5	3.38	851.3
5	Monel Collar-6.75" NMDC	6.49	3.25	30.33					
6	Monel Collar-6.75" NMDC	6.44	3.25	29.53					

DESCRIPTION: DIRECTIONAL BHA #3

LENGTH: 1,497.97 BHA WT. AIR: BHA WT. MUD: HRS. ON JARS:

ROT. WT.: 316,000 P.U. WT.: 365,000 S.O. WT.: 270,000 TORQUE: 16

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S	COORDINATES	E/W	V. SECTION	DLS
10,219	0.62	6.52	10,201	218.4	-295.0		230.1	0.7
10,309	0.35	103.90	10,291	218.8	-294.7		230.5	0.8
10,399	0.31	77.44	10,381	218.8	-294.2		230.4	0.2
10,488	0.53	162.79	10,470	218.5	-293.9		230.1	0.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel		1,358	7,138

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	10:30	4.5	Intermediate Vertical Drilling	Drilling		10,670	DRILL AHEAD IN 8.5" TANGENT/VERTICAL F/ 10,374' T/ 10,670 - 6' ROP 66 FPH, WOB 45K, DIFF 400-600, 40 RPM, TRQ 12-18, 600 GPM, OFF BOTTOM PSI 2150, 4.5 HR ROT - 0 HR SLIDE.
10:30	11:30	1.0	Intermediate Vertical Drilling	Cond Mud & Circ		10,670	CIRCULATE BOTTOMS UP , CLEAN HOLE, FLOW CHECK = WELL STATIC, PUIMP WEIGHTED SLUG.
11:30	15:30	4.0	Intermediate Vertical Drilling	Trips		10,670	TRIP OUT OF HOLE FROM 10,670' TO 1,600' DUE TO ROP
15:30	16:00	0.5	Intermediate Vertical Drilling	Other		10,670	FLOW CHECK = WELL, REMOVE ROTATING HEAD.
16:00	17:00	1.0	Intermediate Vertical Drilling	Trips		10,670	TRIP OUT OF HOLE FOM 1,600' TO 105'. (DIRECTIONAL TOOLS)
17:00	18:30	1.5	Intermediate Vertical Drilling	Dir Work		10,670	LAY DOWN NON-MAG MONEL, DRAIN MOTOR, CHANGE OUT MWD, AND CHANGE BIT RE-SCRIBE, INSTALL NEW MWD, PICK UP NON-MAG MONEL, MAKE UP NEW BIT.
18:30	19:00	0.5	Intermediate Vertical Drilling	Trips	Directional	10,670	T.I.H. F/ DIRECTIONAL TOOLS T/ 730'; TEST MWD TOOL - GAMMA FAILED.
19:00	20:30	1.5	Intermediate Vertical Drilling	Trips	Directional	10,670	P.O.O.H. F/ 730' T/ DIRECTIONAL TOOLS
20:30	21:30	1.0	Intermediate Vertical Drilling	Dir Work	Directional	10,670	CHANGE OUT MWD TOOL, MAKE UP MONEL, TO BHA AND TEST MWD TOOL - GOOD TEST.
21:30	22:00	0.5	Intermediate Vertical Drilling		Directional	10,670	TRIP IN HOLE BACK TO 730' (ORIGINAL MWD TEST DEPTH)
22:00	00:30	2.5	Intermediate Vertical Drilling	Trips		10,670	TIH F/ DIRECTIONAL T/4,633' (INSTALL ROTATING)
00:30	01:30	1.0	Intermediate Vertical Drilling	Cut off Drill Line		10,670	SLIP AND C UT DRILL LINE. 8 WRAPS @ 9.4 FPW = 75' OF LINE CUT.
01:30	05:00	3.5	Intermediate Vertical Drilling	Trips		10,670	TIH F/ 4,633' T/ 10,670'.
05:00	06:00	1.0	Intermediate Vertical Drilling	Drilling		10,670	DRILL AHEAD IN 8.5" TANGENT/VERTICAL F/ 10,670' T/ 10,778' 108' ROP 108 FPH, WOB 25K, DIFF 400-600, 40 RPM, TRQ 12-18, 600 GPM, OFF BOTTOM PSI 1975, 1HR ROT - 0 HR SLIDE.
TOTAL HRS	24.0						

Received by OCD: 10/2/2026 12:57:15 PM

ADVANCE ENERGY PARTNERS

DAILY DRILLING REPORT

RPT DATE: 11/3/2019
RPT NUM.: 17
RIG: H&P 466

WELL/JOB INFORMATION

WELL NAME: Dagger Lake 5 State Com #605H | JOB: Drilling | RIG SUPERV: FRANK CALHOUN / JOHN KING
FIELD: Bone Spring | LEASE: Dagger Lake 5 State Com #605H | RIG PHONE: 432-888-0997
AFE #: NM0085 | API #: 30-025-46292 | EMAIL: hp466@advanceenergypartners.com
CONTRACTOR: | ELEVATION: | RKB:
SPUD DATE: 10/14/2019 | DFS: 20 | DOL: 25
MD/TVD: 11440 FT/11421 FT | 24 HR FTG: 662 | HRS DRLG: 6

LAST 24 HOUR SUMMARY: DRILL 8.5" PROD. VERTICAL F/ 10,768' T/ 11,440'; CIRCULATE AND SPOT 200 BBLS VISCOUS MUD; TOOH F/ 11,440 TO 10,100' SPOT 200 BLLS OF VISCOUS MUD; TOOH F/ 10,100' TO 105'; DIRECTIONAL WORK;
PRESENT OPERATIONS: RIG RELEASED TO 607H AT 02:00 HOURS
ACTIVITY PLANNED: SKID RIG TO THE 607 H

COST DATA

DRILLING AFE AMT: | DAILY DRILL COST: $75,358 | CUM DRILL COST: $1,569,755 | CUM WELL COST: $1,569,755

BOP

LAST BOP TEST: 10/17/19 | LAST BOP DRILL: 11/1/19 | NEXT BOP TEST: 11/8/19

CASING

CASING TYPE	OD	WEIGHT	GRADE	CONNECTION	MD	TVD
Surface	13.63	54.5	J55	BTC	1,417	1,415
Intermediate	9.63	40	HCL-80,J-55	LTC	4,831	4,830

MUD

DAILY MUD COST: | CUM MUD COST:

TIME	MW	FV	WL	PH	CAKE	GELS (10s/10m/30m)			PV	YP	CL	K	Pf	Mf	Ca	OIL	LGS	HTHP
1:00	9.4	28.0	99.0	9.7	2	1	2	3	2	2	81,000		0.10	0.30	1,440		2.50	

DRILL BITS

NO.	SIZE	MANUFACTURER	TYPE	SER NO.	JETS (Number X Size)	TFA (in^2)	RE-RUN	IN	OUT	FEET	HRS	WOB	RPM	ROP
4	8.50	SECURITY	MM65DRM	13271296	6x16	1.178	N	10,778	11,440	662	6.0	38	.26	110.3
3	8.50	REED	TKC66	A254583	6x16	1.178	N	10,374	10,670	296	4.5	45	.26	65.78

BIT NO. 4 | INNER: 1 | OUTER: 1 | DULL: WT | LOC: S | SEAL: X | GAUGE: 0 | OTHER: WT | RP: TD

PUMPS

PUMP	MAKE	MODEL	LINER	STK	SPM	PSI	GPM	GPS	EFF %	ECD	AV DP	AV DC	BIT HHP	PUMP HHP
1	GARDNER DENVER	PZ11	5.500	11.000	62	2000	600	3.22	95					
2	GARDNER DENVER	PZ11	5.500	11.000	62	2000	600	3.22	95					
3	GARDNER DENVER	PZ11	5.500	11.000	62	2000	600	3.22	95					

BHA

#	COMPONENT	OD	ID	LENGTH	#	COMPONENT	OD	ID	LENGTH
1	Drill Bit-MM65DMR	8.5		1	7	X-Over-CROSS OVER SUB	6.26	2.81	1.94
2	Motor-MOTOR	7.05		33.9	8	Drill Collar-18 6" DC	6.5	2.81	537.7
3	Stabilizer-8.5" STABILIZER	6.54	2.81	5.13	9	X-Over-CROSSOVER	6.76	2.88	3.6
4	MWD Tool-UBHO	6.78	2.81	3.54	10	Drill Pipe-5.5 HWDP	5.5	3.38	851.3
5	Monel Collar-6.75" NMDC	6.49	3.25	30.33					
6	Monel Collar-6.75" NMDC	6.44	3.25	29.53					

DESCRIPTION: DIRECTIONAL BHA #3
LENGTH: 1,497.97 | BHA WT. AIR: | BHA WT. MUD: | HRS. ON JARS:
ROT. WT.: | P.U. WT.: | S.O. WT.: | TORQUE:

SURVEY DATA

MD	INCLINATION	AZIMUTH	TVD	N/S (COORDINATES)	E/W (COORDINATES)	V. SECTION	DLS
10,219	0.62	6.52	10,201	218.4	-295.0	230.1	0.7
10,309	0.35	103.90	10,291	218.8	-294.7	230.5	0.8
10,399	0.31	77.44	10,381	218.8	-294.2	230.4	0.2
10,488	0.53	162.79	10,470	218.5	-293.9	230.1	0.7

CONSUMABLES

CONSUMABLE	DAILY RECEIVED (gal)	DAILY USED (gal)	DAILY ON HAND (gal)
Fuel			7,138

TIME BREAKDOWN

FROM	TO	HRS	PHASE	CODE	NPT	DEPTH	OPERATIONS
06:00	12:00	6.0	Production Vertical Drilling	Drilling		11,440	DRILL AHEAD IN 8.5" TANGENT/VERTICAL F/ 10,778' T/ 11,440' (KOP) (DLN - 9.8) - 662' ROP 110.3 FPH, WOB 38K, DIFF 400-750, 40 RPM, TRQ 12-18, 600 GPM, OFF BOTTOM PSI 1975; 6HR ROT - 0 HR SLIDE.
12:00	13:30	1.5	Production Vertical Drilling	Cond Mud & Circ		11,440	CIRCULATE 2X BU FOR HOLE CLEANING AND WEIGHT UP SYSTEM FROM 9.2 PPG TO 9.4 PPG; SPOT 200 BBLS OF 40 VISCOSITY MUD ON BOTTOM.
13:30	14:30	1.0	Production Vertical Drilling	Trips		11,440	TOOH F/ 11,440' TO 10,100'
14:30	15:00	0.5	Production Vertical Drilling	Cond Mud & Circ		11,440	PUMP AND SPOT 200 BBLS OF 40 VISCOSITY MUD ON BOTTOM.
15:00	19:30	4.5	Production Vertical Drilling	Trips		11,440	TOOH F/ 10,100 TO 105' TO SET BRIDGE PLUG (CALCULATED FILL FOR TOOH - 120.5 BBLS. -- ACTUAL FILL 151.75 BBLS.)
19:30	21:30	2.0	Production Vertical Drilling	Dir Work		11,440	LAY DOWN TOP MONEL; PULL MWD; DRAIN MOTOR; BREAK BIT; L/D MOTOR, UBHO AND STABILIZER; M/U NEW MOTOR TO MONEL; M/U TOP MONEL COLLAR; RACK BACK IN DERRICK. PULL WEAR BUSHING.
21:30	22:00	0.5	Production Vertical Drilling	Other		11,440	MAKE UP 9 5/8" BRIDGE PLUG WITH B&R TOOL REP.
22:00	00:00	2.0	Production Vertical Drilling	Trips		11,440	TIH WITH BRIDGE PLUG AND SET AT 2016'. TEST TO 500 PSI. (CACULATED HOLE DISPLACEMENT - 17.25 BBLS -- ACTUAL DISPLACEMENT 24.2 BBLS)
00:00	01:00	1.0	Production Vertical Drilling	Trips		11,440	TOOH F/ 2016' TO SURFACE AND LAY DOWN RUNNING TOOL.
01:00	02:00	1.0	Production Vertical Drilling	Nipple Up B.O.P.		11,440	NIPPLE DOWN AND RAISE BOP. RIG RELEASED TO THE 607H AT 0200 HOURS. ACCOUNT FOR ONE HOUR TIME CHANGE.
	TOTAL HRS	20.0					

Released to Imaging: 10/6/2026 8:15:00 AM

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 629755

CONDITIONS

Operator: MATADOR PRODUCTION COMPANY One Lincoln Centre Dallas, TX 75240	OGRID: 228937
	Action Number: 629755
	Action Type: [C-103N] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	None	10/6/2026