

Scale 1:240 Imperial

	Scale 1:240 Imperia	l	
Well Name: Surface Location:	M.R. ALLEN #17 SE SE NW S22 T11S R19W		
Bottom Location: API: License Number:	15-051-26951 33922		
Spud Date: Region:	5/15/2019 ELLIS COUNTY	Time:	2:45 PM
Drilling Completed: Surface Coordinates:	5/23/2019 2310' FNL & 2310' FWL	Time:	5:10 PM
Bottom Hole Coordinates: Ground Elevation: K.B. Elevation: Logged Interval: Total Depth: Formation: Drilling Fluid Type:	1980.00ft 1988.00ft 2800.00ft 3590.00ft ARBUCKLE CHEMICAL- PAC	To:	3590.00ft
	OPERATOR		
Company: Address:	MUSTANG ENERGY CORPOR PO BOX 1121	RATION	
Contact Geologist: Contact Phone Nbr: Well Name: Location: API: Pool:	ROD BRIN 785-623-0533 M.R. ALLEN #17 SE SE NW S22 T11S R19W 15-051-26951	Field:	SOLOMON
State:	KS	Country:	SOLOMON
	SURFACE CO-ORDINA	TES	
Well Type:	Vertical	TES	
Longitude:	Vertical -99.4176837	ITES	
Longitude: Latitude: N/S Co-ord:	Vertical -99.4176837 39.0820557 2310' FNL	ITES	
Longitude: Latitude:	Vertical -99.4176837 39.0820557	ITES	
Longitude: Latitude: N/S Co-ord:	Vertical -99.4176837 39.0820557 2310' FNL	ITES	
Longitude: Latitude: N/S Co-ord:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL	ITES	
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721		
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601	Name:	CAMERON BRIN
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721		CAMERON BRIN
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr: Logged By: Contractor: Rig #:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721 Geologist CONTRACTOR DISCOVERY DRILLING CO., I 2	Name:	CAMERON BRIN
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721 Geologist CONTRACTOR DISCOVERY DRILLING CO., I 2 MUD ROTARY	Name:	
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721 Geologist CONTRACTOR DISCOVERY DRILLING CO., I 2 MUD ROTARY 5/15/2019	Name: NC Time:	2:45 PM
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721 Geologist CONTRACTOR DISCOVERY DRILLING CO., I 2 MUD ROTARY	Name:	
Longitude: Latitude: N/S Co-ord: E/W Co-ord: Company: Address: Phone Nbr: Logged By: Contractor: Rig #: Rig Type: Spud Date: TD Date:	Vertical -99.4176837 39.0820557 2310' FNL 2310' FWL LOGGED BY 2717 HICKORY ST. HAYS, KS 67601 (785)-639-0721 Geologist CONTRACTOR DISCOVERY DRILLING CO., I 2 MUD ROTARY 5/15/2019 5/23/2019	Name: NC Time: Time:	2:45 PM 5:10 PM

K.B. Elevation: 1988.00ft

Ground Elevation: 1980.00ft

K.B. to Ground: 8.00ft

NOTES

RECOMMENDATION TO RUN PRODUCTION CASING BASED ON FAVORABLE STRUCTURE, LOG ANALYSIS AND RESIVOIR DEVELOPMENT AS INDICATED BY DST #1

OPEN HOLE LOGGING PROVIDED BY: ELI

DUAL INDUCTION LOG, COMPENSATED DENSITY/ NEUTRON LOG, AND MICRO LOGS WERE COMPLETED

DRILL STEM TESTING PROVIDED BY: TRILOBITE TESTING, INC ARBUCKLE (3422' to 3509') CONVENTIONAL BOTTOM HOLE TEST

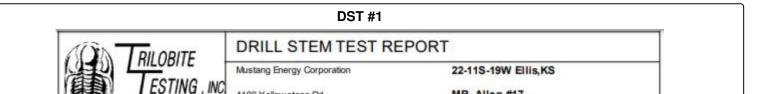
WELL COMPARISON SHEET

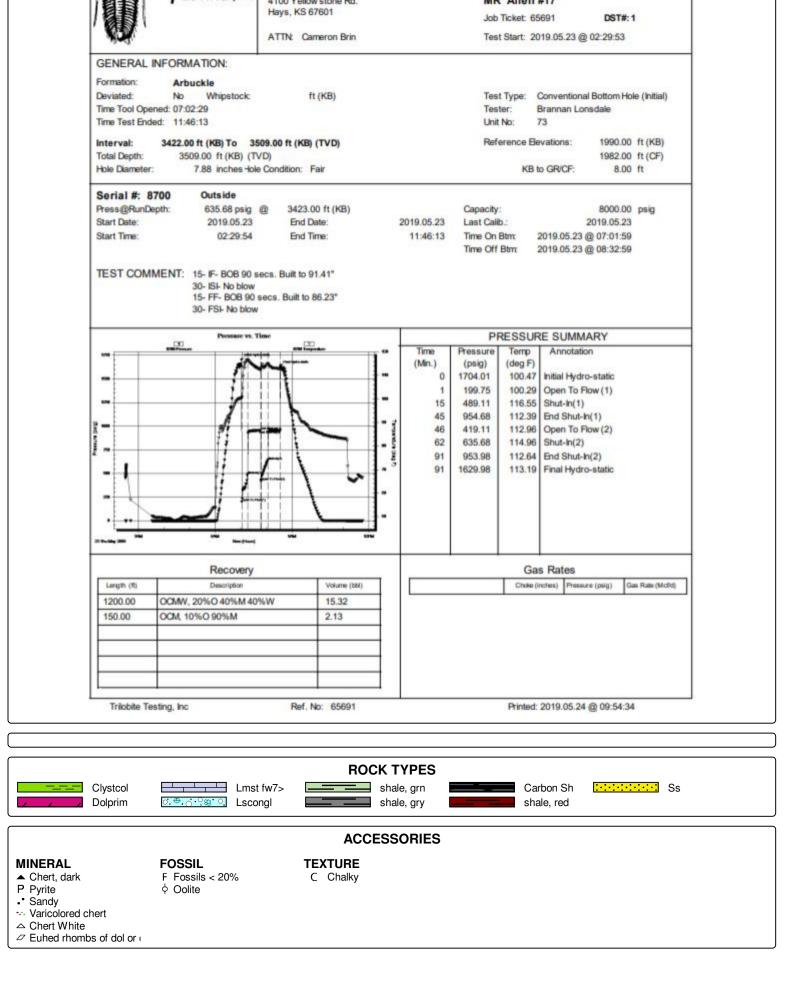
							_	
	Mustang Energy Corporation Skelly Oil Company M.R. Allen #17 Mauder R. Allen #8 Producing Producing SE SE NW 22-11S-19W NE SE NW 22-11S-19W		a construction of the second		T.E. Anderson & Solomon Production M.R. Allen #11		Mustang Energy Corporation M.R. Allen #13	
			Producing		Producing		Producing	
			SE SW SE NW 22-115-19W		W2 NW SE NW 22-11S-19W			
	KB	1988	KB 1967		KB 1996		KB 1964	
Formation	Sample Tops	Log Tops	Log Tops		Log Tops		Log Tops	
Anhydrite	1278' (+710)	1278' (+710)	1256' (+711)	-1	1277' (+719)	-9	1251' (+713)	-3
Base	1314' (+674)	1312' (+676)	1291' (+676)	0	1320' (+676)	-2	1294' (+670)	+4
Topeka	2938' (-950)	2937' (-949)	2915' (-948)	-1	2940' (-944)	-5	2913' (-949)	0
Heebner	3160' (-1172)	3160' (-1172)	3136' (-1169)	-3	3161' (-1165)	-7	3133' (-1169)	-3
LKC	3201' (-1213)	3202' (-1214)	3177' (-1210)	-4	3203' (-1207)	-7	3176' (-1212)	-2
BKC	3426' (-1438)	3425' (-1437)	3400' (-1433)	-4	3426' (-1430)	-7	3499' (-1535)	-2
Arbuckle	3504' (-1516)	3504' (-1516)	3481' (-1514)	-2	3501' (-1505)	-11	3479' (-1515)	-1

Daily Activity Summary

- 5/15/19 R.U., SPUD @ 2:45PM, DRILLING, 8 5/8" SURFACE CASING SET @ 237' KB w/150 SKS COMMON 2%GEL & 3%CC, WOC
- 5/16/19 286', DRILLED PLUG @ 6:00AM, DRILLING
- 5/17/19 1798', DRILLING
- 5/18/19 2258', TWISTED OFF JOINT OF HW PIPE, FISHED w/ MAGNET, DRILLING, TWISTED OFF DRILL COLLAR PIN @ 2:00 PM, RAN OVERSHOT IN THE HOLE AND GOT STUCK ONCE ON THE FISH, GOT OFF OF FISH, TOH, TIH w/ BIT, CTCH, SHORT TRIP 20 STANDS, CTCH, TOH, START IN WITH WASHPIPE
- 5/19/19 2441', TIH WITH WASHPIPE, TOH, MUD UP @ 2441'
- 5/20/19 2441', TOH, WATING ON DRILL COLLARS, TIH, DRILLING
- 5/21/19 2847', DRILLING, CFS @ 2978, DRILLING, TOH TO CHANGE BIT
- **5/22/19** 3255', TIH, DRILLING
- **5/23/19** 3509', CFS @ 3509, SHORT TRIP (25 STANDS), CCH, TOWB, TIWT, DST #1 3222'-3509', TOWT, TIWB,
- DRILLING, RTD 3590' @ 5:10pm, TOWB, LOGGING

5/24/19 3590', RAN PRODUCTION CASING AND CEMENT, COMPLETED @10:15am, RIG RELEASED @10:45am





Curve Track #1
ROP (min/ft)

vals

