Harris Oil and Gas Company

DAILY DRILLING REPORT

Company: Harris Oil and Gas Company
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Denver, CO 80202
O: 303-293-8838 Fax: 303-293-8853
Bud Harris H: (303) 871-0225 Cel: (303) 881-7079

Wellsite Geologist: Jeff Zoller
Cel: (620) 786-0807
Home: (620) 653-7397

Well: Arthur Drach 1-12
Location: 990' FNL & 1040' FEL
Sec. 12 - 22s - 13w
Stafford Co., KS

Elevation: 1890 KB 1887 GL
Field: Wildcat
API No.: 15-185-23268-0000
Surface Casing: 8 5/8" set @ 733' KB

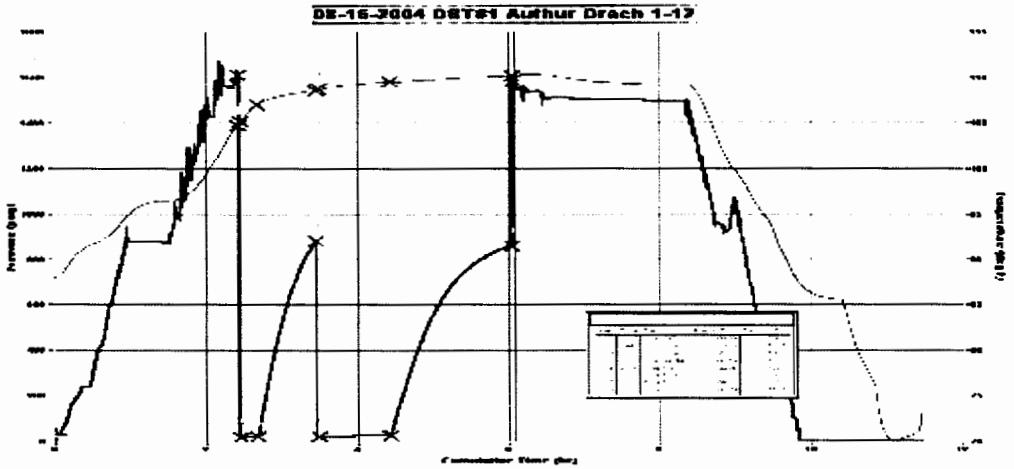
Drilling Contractor: Ace Drill-N Rig #1 (785) 249-4639 Owner/Tool Pusher: Cel (785) 249-3748

DATE	7:00 AM DEPTH	Drilling Operations Over the Last 24 Hours
08/09/04	0'	MIRT. Rig up Ace Drill-N Rig #1.
08/10/04	42'	Drill rat hole & spud 12-1/4" surface hole at 8:30 PM 01/12/04. Drilling. Packing in Kelly Swivel blew out. Re-packed Swivel. Back to drilling @ 6:00 AM. Mud Costs: DC $779.75 CC $779.75
08/11/04	748'	Drilling & Connections. Anhydrite came in @ 719' (+1171). TD'd 12-1/4" hole @ 748' at 10:15 PM. CTCH. Short tripped. CTCH. WO Francis Casing Crew & Welder. Drop TOTCO/SHT. OOH w/ 12-1/4" bit @ 6:30 AM. Mud Costs: DC $0.00 CC $779.75
08/12/04	1100'	OOH w/ 12-1/4" bit. SHT @ 748' - 1°. Ran 18 jts (730') New 23# 8-5/8" Casing & set @ 733' KB. Cemented w/ 200 sx A-con 3% CC 12.5 ppg & 150 sx 60/40 Poz 2% Gel 3% CC 14.7 ppg. Plug down by Acid Services @ 9:30 AM 8/11/2004. Cement did circulate to surface. Circulated ~30 sx to pit. WOC. IH w/ 7-7/8" bit. Drilled out from underneath plug & cement @ 8:00 PM 8/11/2004. Drilling & Connections. Drilling w/ Native Mud. Made 367' in the last 24 hours. Average ROP 1.7 min/ft. Earth-Tech OGL set Gas Sniffer Trailer on location. Paul's delivered 500 BBL Frac Tank to displace mud. Mud Costs: DC $490.05 CC $1,269.80
08/13/04	2025'	Drilling & Connections. Drilling 19.75 Hours. Drilling w/ Native Mud. Made 925' in the last 24 hrs. Average ROP 1.3 min/ft. Mud Costs: DC $697.99 CC $1,967.79
08/14/04	2710'	Drilling & Connections. Drilling 19.75 Hours. Drilling w/ Native Mud. Made 685' in the last 24 hrs. Average ROP 1.7 min/ft. Mud Costs: DC $1,017.69 CC $2,985.48
08/15/04	3250'	Drilling & Connections. Drilling 19.5 Hours. Mud Wt 8.8 Vs 41. Made 540' in the last 24 hrs. Average ROP 2.2 min/ft. Geologist, Jeffrey R. Zoller on Location @ 3250' @ 7:00 AM August 15, 2004. Drilling in the Douglas Shale. Mud Costs: DC $947.35 CC $3,932.83
08/16/04	3380'	Drilling & Connections. Drilling 6.0 Hours. Mud Wt 8.8 Vs 51. CFS @ 3380'. Shows in the Lansing 'A', 'B' & 'C' Zones. Gas Kick in the 'B' Zone (see Geo Log). Short tripped 20 stands. CTCH 1 hour. Dropped SHT/TOTCO (Deviation Survey at 3380' - 6°?). OOH w/ bit & strap pipe (Pipe Strap was 2.17' short to the board). DST #1 3336' - 3380' Lansing 'A', 'B' & 'C' (See Results Below on Page 2). Made 130' in the last 24 hours. Average ROP 2.8 min/ft. Current operations: pulling DST #1. Mud Costs: DC $733.94 CC $4,666.77

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08/16/04 (Continued) 3380'

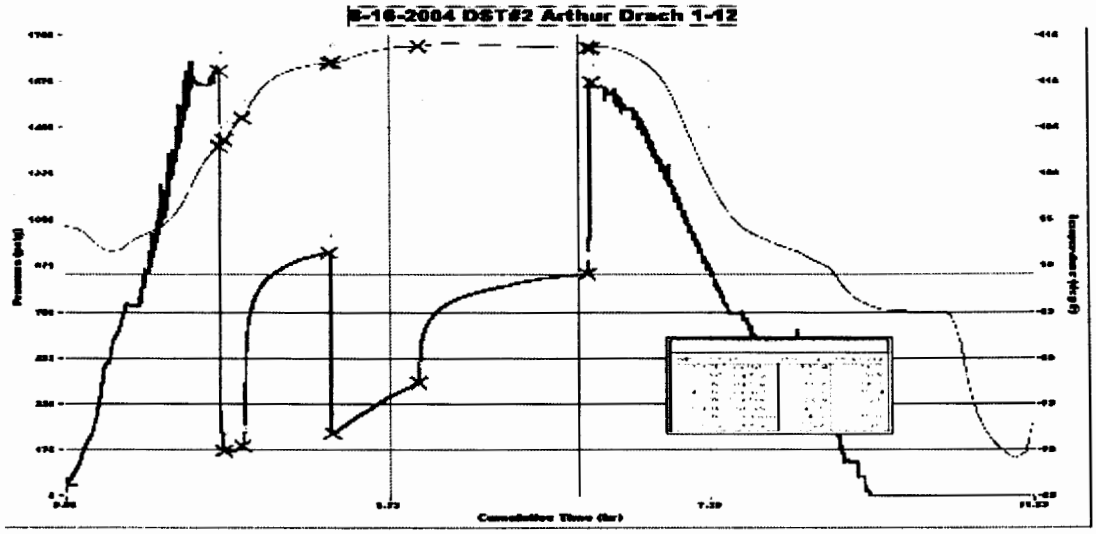
DST #1 3336' - 3380' Lansing 'A', 'B' & 'C' 15 - 45 - 60 - 90
IF: Strong blo off the bottom of the bucket in 3 min.
FF: Strong blo off the bottom Immediately
Slight Blow during the Final Shut In Period
Recovered: 1357' Gas In Pipe & 40' Slightly Oil Cut Mud (1% Oil)
IFP 18 - 21 FFP: 22 - 27 ISIP: 882 FSIP: 859 (3% Drop)
IHP: 1610 FHP: 1585 BHT: 110° F



08/17/04 3420'

DST #1. IH w/ bit. Drilling & Connections. CFS @ 3420'. Fair Show & Gas Kicks in the Lansing 'E', 'F' & 'G' (see Geo Log). Drop SHT/TOTCO (Deviation Survey at 3420' - 3°?). OOH w/ bit. DST #2 3390' - 3420' Lansing 'E', 'F' & 'G' (see Results Below). IH w/ bit. Made 40' in the last 24 hours. Average ROP 2.2 min/ft.
Mud Costs: DC $227.45 CC $4,894.22

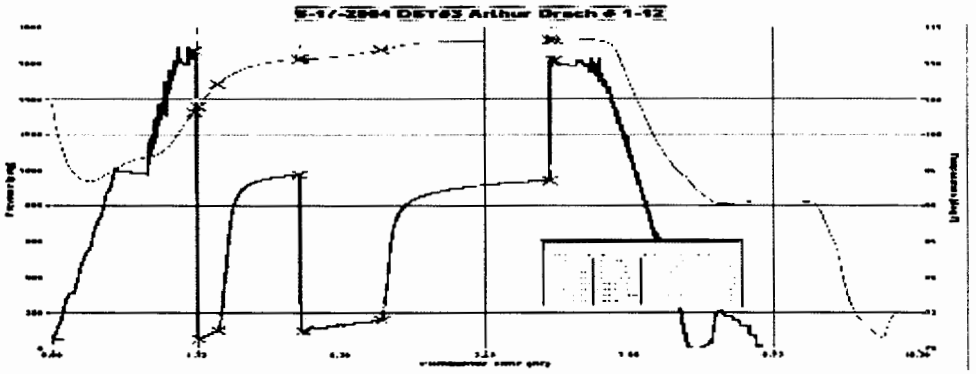
DST #2 3390' - 3420' Lansing 'E', 'F' & 'G' 15 - 60 - 60 - 120
IF: OBB Immediately & GTS in 5" Gauged 76 MCFGPD in 15"
FF: Gauged 14.1 MCFGPD/10" & Stabilized @ 6.27 MCFGPD/50"
FSIP: Flowed Oil to the Pit 30"
Recovered: 1339' Clean Gassy Oil (37° Gravity) & 122' OCW (Chlorides 52M ppm)
IFP 171 - 189 FFP: 239 - 434 ISIP: 926 FSIP: 846 (9% Drop)
IHP: 1616 FHP: 1573 BHT: 113.68° F



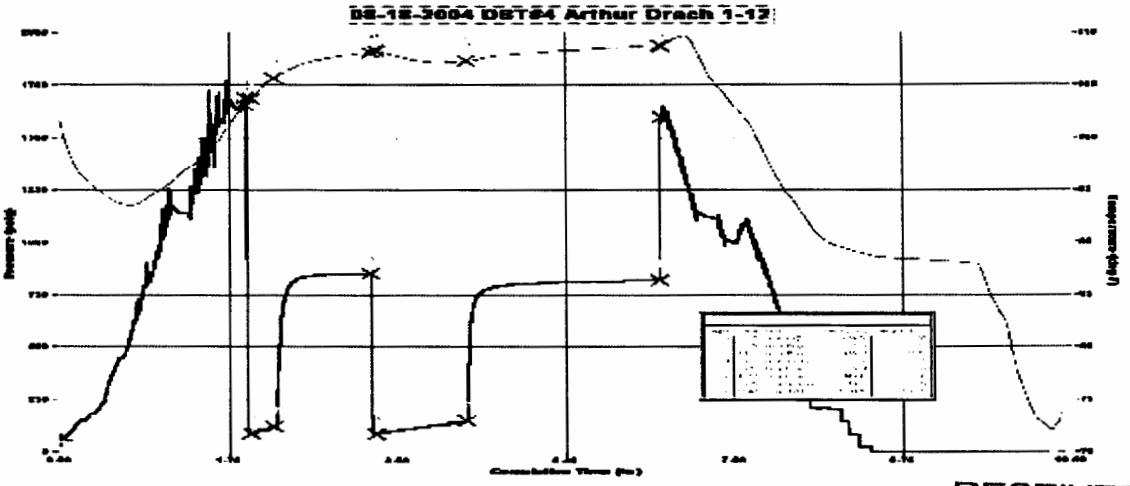
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DATE	7:00 AM DEPTH	Drilling Operations Over the Last 24 Hours
08/18/04	3490'	IH w/ bit after DST #2. Back to Drilling @ 8:30 AM. Drilling & Connections. Mud Wt 8.8 Vs 43 LCM None Trace oil In mud system. Wireline Survey @ 3441' - ½°. CFS @ 3490'. Show & Gas Kick in the Lansing 'H' Zone (see Geo Log). DST #3 3454' - 3490' Lansing 'H' & 'I' Zones (see Results Below). IH w/ bit. Made 70' in the last 24 hours (3.5 hrs Drilling). Averager ROP 3 min/ft. Mud Costs: DC $538.44 CC $5,382.66
08/19/04	3550'	IH w/ bit. CTCH 15". Back to Drilling @ 8:30 AM 8/18/2004. Drilling & Connections. CFS @ 3550'. Sample Show & 100u HW over BG Gas Kick in the Lansing 'J' Zone (see Geo Log). OOH w/ bit for DST #4 3486' - 3550' Lansing 'J' & 'K' Zones (see Results Below). T-storms & Morning Tower short-handed again! IH w/ bit. Mud Costs: DC $130.05 CC $5,512.71

DST #3 3454' - 3490' Lansing 'H' & 'I' 15 - 60 - 60 - 120
IF: Weak Bldg to 1" In 10 min., surged Strong blow OBB In 15 min.
FF: OBB in 2" Strong blow through out (evidence of plugging)
Final Shut In: Gas to surface
Recovered: 487' Clean Gassy Oil (41° Gravity) & 30' Muddy Oil (50% Oil & 50% M)
IFP 54 - 101 FFP: 98 - 160 ISIP: 977 FSIP: 942 (4% Drop)
IHP: 1672 FHP: 1618 BHT: 113.28° F



DST #4 3486' - 3550' Lansing 'J' & 'K' 15 - 60 - 60 - 120
IF: OBB In 1.5" & GTS In 15"
FF: Gauged 75.1 MCFGPD/10" & Stabilized @ 69.7 MCFGPD/50"
Recovered: 372' Clean Gassy Oil (39° Gravity)
62' Slightly Mud & Gas Cut Oil (50% Oil, 15% M, 35% Gas)
120' Oil & Mud Cut Gas (20% Oil, 20% M, 60% Gas)
IFP 87 - 120 FFP: 85 - 149 ISIP: 851 FSIP: 819 (4% Drop)
IHP: 1689 FHP: 1598 BHT: 109° F



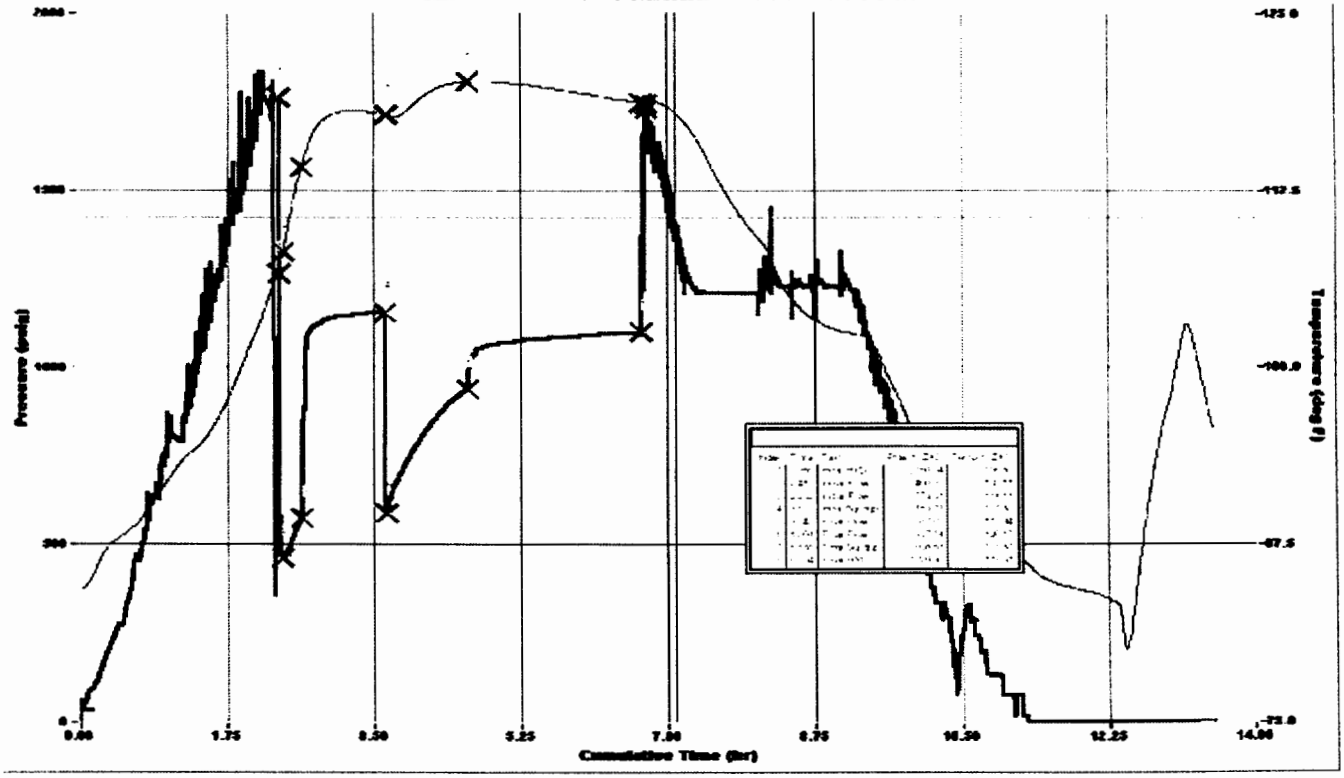
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08/20/04 3674'

IH w/ bit after DST #4. Back to Drilling @ 8:17 AM. Drilling & Connections. CFS @ 3674'. Excellent Sample Shows & Small Gas Kick in the Arbuckle (see Geo Log). Evening Tower short 2 hands. WO hands for 3 hrs. Pulled tight when starting out w/ bit. Short tripped 15 stands. CTCH 1 hour. OOH w/ bit for DST #5 (3608' - 3674' Arbuckle). Morning Tower did not show up & Evening Tower left location. Only the Tester left on location. Sitting on the bank, will have to wait on Rick Griffin to line hands to run in hole w/ DST Tool and attempt DST #5. On bottom w/ test tool @ 5:36 AM 8/20/2004. DST #5.
Mud Prior to DST Wt 8.8 Vs 55 LCM trace. Made 124' in the last 24 hours.
Average ROP 2.3 min/ft.
Mud Costs: DC $175.00 CC $5,687.71

DST #5 3608' - 3674' Arbuckle 15 - 60 - 60 - 120
IF: Strong Blow - OBB in 2.0"
ISI: Gas to surface 30" into the Initial Shut-In Period
FF: Gauged 5.32 MCFGPD/10" & 4.12 MCFGPD/60"
Recovered: 2704' Clean Gassy Oil (37° Gravity)
IFP 460 - 573 FFP: 587 - 937 ISIP: 1153 FSIP: 1098 (5% Drop)
IHP: 1761 FHP: 1730 BHT: 120° F

8-20-2004 DST #5 Arthur Drach 1-12



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DATE	7:00 AM DEPTH	Drilling Operations Over the Last 24 Hours
08/21/04	3800' DTD 3800' LTD	IH w/ bit after DST #5. Back to Drilling @ 5:45 PM 8/20/2004. Drilling & Connections. TD'd @ 3800' DTD @ 12:40 AM August 21, 2004. CFS 90". Dropped SHT/TOTCO (Survey @ 3800' DTD - 1°). OOH w/ bit for Log. LogTech on locaiton. Logging. IH w/ bit. CTCH for 1.25 hours. Francis Casing Crews, Inc. on location and help to lay down drill pipe and collars. Scott's Welding on locaion to weld 26 Rotating Scratchers 180') on selected joints of 5-1/2". Ran 96 jts (3802.29') New 5-1/2" 17# Casing, Shoe & Insert and 11 Turbolizers on selected joints (see Production Casing Tally Sheet). Acid Services on location. When on bottom rotated casing and circulated to condition hole. Ran a steady stream of water to lower Viscosity of the mud system. Tagged bottom, picked up 1', hooked up Kelly, rotated and circulated for 1.5 hours. Set 5-1/2" Casing @ 3799' KB. Pumped 5 Bbl Water, 12 bbl Super Flush & 5 bbl spacer. Pumped 25sx of Scavenger Cement w/ 10#/sx Gilsonite, followed by 100 sx AA2 Premium, 10% Salt, 5#/sx Gislonite, 5#/sx CalSet, 75% GasBlock, 8% Fla-322 & 1% Defoamer. Released plug & displaced cement w/ 87.3 bbl KCl water at an average rate of 7 BPM. Realized 200# of lifting pressure @ 60 bbls. Landed plug, increased pressure to 1000# and plug held. Plug Down @ 2:45 AM August 22, 2004. Plugged Rat Hole & Mouse Hole. Released Acid Services, LLC. Scott's Welding will be by in the today or early tomorrow to cut 5-1/2" Casing and weld a 5-1/2" Bell Nipple 6" above Ground Level. Final Mud Costs: DC $20.00 CC $5,707.71

END OF REPORT

Respectfully Submitted, Jeffrey R. Zoller

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