

Well Name: JICARILLA A	Well Location: T26N / R4W / SEC 14 / SWSW / 36.482001 / -107.227355	County or Parish/State: RIO ARRIBA / NM
Well Number: 2	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC105	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003906450	Operator: HILCORP ENERGY COMPANY	

Subsequent Report

Sundry ID: 2814584

Type of Submission: Subsequent Report

Type of Action: Deepen Well

Date Sundry Submitted: 09/30/2024

Time Sundry Submitted: 04:27

Date Operation Actually Began: 09/14/2024

Actual Procedure: Hilcorp Energy drilled/sidetracked a 6 1/8 inch production hole to 7971 ft TD and ran 4 1/2 inch 11.6# J-55 production casing to 7966'. See attached reports.

SR Attachments

Actual Procedure

Jicarilla_A_2_ST_Drilling_Sundry_20240930162709.pdf

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SWSW / 36.482001 / -107.227355

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WELL

Allottee or Tribe Name:
JICARILLA APACHE

Lease Number: JIC105

Unit or CA Name:

Unit or CA Number:

US Well Number: 3003906450

Operator: HILCORP ENERGY
COMPANY

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: CHERYLENE WESTON

Signed on: SEP 30, 2024 04:27 PM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Tech - Sr

Street Address: 1111 TRAVIS STREET

City: HOUSTON

State: TX

Phone: (713) 289-2615

Email address: CWESTON@HILCORP.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer


BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 10/02/2024

Signature: Kenneth Rennick

<div><div>Well Operations Summary L48</div></div>		
Well Name: JICARILLA A #2 ST1		
API: 3003906450	Field: Pictured Cliffs	State: NEW MEXICO
Permit to Drill (PTD) #:	Sundry #:	Rig/Service: 3
Jobs		
Actual Start Date: 9/14/2024		End Date:
Report Number 1	Report Start Date 9/14/2024	Report End Date 9/15/2024
Operation		
REMOVE DERRICK FROM CARRIER AND LOAD OUT EQUIP. CLEAN MUD PIT'S AND CNJ EQUIPMENT WITH HYDROVAC ON OLD LOC. DONE @ 16:30 HRS. ON THE JIC A#2, WELD ON STUB UP 7" CASING WITH BIG RED AND INSTALL ADAPTER SPOOL WITH ISOLATION PACKING FROM 10" 1K TO 11" 3K AND TEST LOWER VOID 800#. DONE @ 13:00 HRS. LEVEL ALL LIVING QUARTERS, EXTREAMLY UNEVEN DROP OFF WHERE SET OFF THE SIDE OF LEASE ROAD. SET SUB, MIRU EQUIPMENT, HALF MAST DERRICK.		
FUEL TANK DID NOT ARRIVE, SHUT DOWN FOR NIGHT (NOTE: 90% EQUIPMENT MOVED OFF THE OLD LOC.) (40% SET AND 20% RIGGED UP ON NEW LOCATION)		
Report Number 2	Report Start Date 9/15/2024	Report End Date 9/16/2024
Operation		
MOVE MUD PIT, CNJ EQUIPMENT AND 3 FRAC TANKS OFF OFF OLD LOCATION, FINISH MIRU ON THE JICARRILA A #2		
NIPPLE UP BOP AND EQUIPMENT		
PJSM PRESSURE TEST BOPE: INSTALL TEST PLUG, OPEN CSG HEAD VALVE. TEST BLIND RAMS, INNER VALVES, CHECK VALVE, HCR, CHOKE LINE, CHOKE VALVES, CHOKES. PIPE RAMS, UPPER TDS VALVE TIW IBOP: 250PSI 5MIN 3000PSI 10MIN. ANNULAR 250PSI 5MIN 2100 PSI 10MIN. ACCUMULATOR DRAW DOWN TEST 2000 PSI REMAINING. CLOSE CSG HEAD VALVE. NOTE: PRESSURE TEST WAS NOT WITNESSED BY ANY GOVERNMENT AGENCIES		
RUN FLOWLINE, BLOUIE LINE, 3" PANIC LINE AND BLOW DOWN TANK, PAD DOWN, INSTALL CELLAR PUMPS, MOVE AND STRAP BHA,		
PU MU MOUSE HOLE DRILLING ASSEMBLY		
Report Number 3	Report Start Date 9/16/2024	Report End Date 9/17/2024
Operation		
FINISH P/U MOUSE HOLE ASSEMBLY AND ATTEMPT TO DRILL MOUSE HOLE		
TROUBLE SHOOT TOP DRIVE ELECTRICAL POTBOAD PROBLEM ON THE HPU UNIT ON GROUND.		
DRILL 60' MOUSE HOLE, INSTALL SHUCK, LD MOUSE HOLE DRILLING ASSEMBLY		
MU 6 1/8" REED/ HYCALOG TK63 PDC BIT WITH 3X14'S AND 3-16'S, DRILLING MOTOR 5" DISCOVERY STRAIT MOTOR, 7/8 LOBE 8.3 STAGE .46 RPG, TFA 1.04, 1- 5" INVICTUS TOOL, 6-4.75" SPIRAL DC'S AND 26 JT'S 4" HWDP		
MOVE 4" DP PIPE ONTO RACK'S AND STRAP, PU DP FROM RACKS AND RIH, TAG @ 3429'		
DRILL CEMENT F/ 3429' TO 3534'		
TROUBLE SHOOT LEAK ON GEAR BOX, TOP DRIVE. L/D 2 JTS DP. START RIG DOWN AND LAY DOWN TOP DRIVE TO REPLACE WITH SPARE FROM YARD		
Report Number 4	Report Start Date 9/17/2024	Report End Date 9/18/2024
Operation		
RIG DOWN TOP DRIVE, REPLACE WITH SPARE AND RIG UP, TROUBLE SHOOT WITH MECHANIC		
DRILL CEMENT F/ 3534' TO 3619' 200 GPM 40 RPM 5-8 WOB		
DRILL F/ 3619' - 3912' (293' @ 45'/HR)		
WOB: 12-18K		
RPM: (TDS- 40 / MM-138) TOTAL 178 RPM		
GPM: 300 GPM		
SPP: 1700 PSI		
DIFF: 200- 400 PSI		
TRQ: 4-5		
MW: 8.7-8.8 PPG		
(MIXING WALNUT SHELLS FOR BIT BALLING)		
LOST RETURN'S @ 3912' PULL INTO CASING AND MIX LCM, REGAIN RETURN'S, GET LCM CONTENT TO 10 PPB. APX 70 BBL LOSS		
Report Number 5	Report Start Date 9/18/2024	Report End Date 9/19/2024
Operation		
C&C MIXING LCM (10%) IN ACTIVE SYSTEM		
TIH & TAG @ 3600', BREAK CIRCULATION AND ATTEMPT TO WASH DOWN, STRING PACKING OFF PRESSURING UP		
POOH TO 192'		
LD BHA CHECKING FOR RESTRICTIONS (UNABLE TO IDENTIFY ANY RESTRICTIONS), C/O MM & MU BHA		
TIH TO 500' & TEST TOOLS (GOOD), CONT TIH TO 2125', FILL PIPE & TEST TOOLS, SPP ERRATIC AND INCREASING, DECISION MADE TO POOH & LD INVICTUS SURVEY TOOL		
POOH 7 LD INVICTUS SURVEY TOOL, ADD CROWS FOOT TO STRING		
TIH TO 3557'		
WASH TO BOTTOM F/3557'- 3912'		
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<div><div>Well Operations Summary L48</div></div>		
Well Name: JICARILLA A #2 ST1		
API: 3003906450	Field: Pictured Cliffs	State: NEW MEXICO
	Sundry #:	Rig/Service: 3
Operation		
DRILL F/ 3912'- 4340' (428' @ 85'/HR) WOB: 10-15K RPM: (TDS- 40 / MM-115) TOTAL 155 RPM GPM: 250 GPM SPP: PSI 1425 DIFF: 300- 600 PSI TRQ: 4-6 MW: 8.9-9.0 PPG 10% LCM IN SYSTEM, SHAKERS BYPASSED		
RUN SLICKLINE TOTCO SURVEY @ 4248' 1 1/2 DEG.		
DRILL F/ 4340'- 4844' (504' @ 80'/HR) WOB: 12-15K RPM: (TDS- 40 / MM-115) TOTAL 155 RPM GPM: 250 GPM SPP: PSI 1425 DIFF: 300- 600 PSI TRQ: 4-6 MW: 8.9-9.0 PPG 10% LCM IN SYSTEM, SHAKERS BYPASSED		
Report Number 6	Report Start Date 9/19/2024	Report End Date 9/20/2024
Operation		
CIRCULATE BU AND PREP TO RUN WIRELINE SURVEY		
WLS @ 4748' 2 DEG		
DRILL F/ 4844'- 5348' (504'@ 84 '/HR) WOB: 12-15K RPM: (TDS- 40 / MM-115) TOTAL 155 RPM GPM: 250 GPM SPP: PSI 1450 DIFF: 300- 600 PSI TRQ: 4-6 MW: 8.9-9.0 PPG 10% LCM IN SYSTEM, SHAKERS BYPASSED		
CIRCULATE BU AND PREP TO RUN WIRELINE SURVEY		
WLS @ 5251' 1.5 DEG		
DRILL F/ 5348'- 5590' (242'@ 121 '/HR) WOB: 12-15K RPM: (TDS- 40 / MM-115) TOTAL 155 RPM GPM: 250 GPM SPP: PSI 1450 DIFF: 300- 600 PSI TRQ: 4-6 MW: 8.9-9.0 PPG 10% LCM IN SYSTEM, SHAKERS BYPASSED		
CIRC BU AND PREP TO TOO		
TOOH, TO PU INVICTUS TOOL TO GET CHECK SHOTS WITH AZ. BIT GOOD NO DAMMAGE		
CLEAN OFF FLOOR, CLEAN OUT PILL PIT, MIX 80 BBL GEL MUD WITH NO LCM IN PILL PIT.		
PU THE INVICTUS TOOL, TIH AND ATTEMPT TO TAKE SURVEY @ 4248'		
TROUBLE SHOOT TOOL, GO THRU PUMPS, CHANGE OUT VALVES #2 PUMP, FLUSH CHARGER PUMPS DUE TO PRESSURE SPIKES AND FLUCTUATIONS, PRESSURES STABILIZED, CONT. TROUBLE SHOOT INVICTUS TOOL. GOT GOOD SURVEY @ 4248' .70 INC AND 75 AZ		
TIH, TAKING SURVEY'S @ 4748', 5251, 5544' 4748' .90 INC. 114 AZ 5251' 1.3 INC. 160 AZ 5544' 0.9 INC. 277 AZ		
POOH AND GET SURVEY'S IN BETWEEN SURVEY'S ALREADY DONE		
Report Number 7	Report Start Date 9/20/2024	Report End Date 9/21/2024
Operation		
POOH TO 3531'		
WOO		
TIH TO 4887'		
CBU		
TIH TO 5590'		
CBU X 2 CUTTING MW 9.4-8.9 PPG		
POOH TO 3529'		
SIT INSIDE CASING BREAKING CIRCULATION EVERY 1/2 HR WAITING ON DIRECTIONAL TOOLS		
SLIP AND CUT DRILLING LINE		
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Report Printed: 9/26/2024		

<div><div>Well Operations Summary L48</div></div>		
Well Name: JICARILLA A #2 ST1		
API: 3003906450	Field: Pictured Cliffs	State: NEW MEXICO
	Sundry #:	Rig/Service: 3
Operation		
SIT INSIDE CASING BREAKING CIRCULATION EVERY 1/2 HR WAITING ON DIRECTIONAL TOOLS		
TIH TO 4533'		
CIRCULATE BU @ 4533'		
TIH TO 5590'		
CIRCULATE AND CONDITION MUD @ 5590'		
POOH TO 3529'		
SIT INSIDE CASING BREAKING CIRCULATION EVERY 1/2 HR WAITING ON DIRECTIONAL TOOLS		
Report Number 8	Report Start Date 9/21/2024	Report End Date 9/22/2024
Operation		
SIT INSIDE CASING BREAKING CIRCULATION EVERY 1/2 HR WAITING ON DIRECTIONAL TOOLS		
TIH TO 4550'		
CBU @ 4550'		
TIH TO 5590'		
CBU X 3 @ 5590'		
POOH 5590'-4475'		
CIRCULATE WAITING FOR LIGHTNING & HAIL TO PASS		
CONT POOH 4475'-BHA		
LD BHA & INVICTUS DIRECTIONAL TOOL		
RIG UP SCIENTIFIC DIRECTIONAL EQUIPMENT		
PU, MU, DIRECTIONAL BHA # 1 RR 6 1/8" REED PDC MODEL TK-63 W/ 3X16 JETS AND 3-14'S, 1.04 TFA AND A DISCOVERY/SUPERHAWK MOTOR 7/8 LOBE 8.3 STAGE ' 5.06' BIT TO BEND, 1.5 DEG ANGLE 0.48 RPG. TIH, FILL PIPE @1500, DRILL STRING PLUGGED.		
POOH AND CLEAN OUT PLUG @ MWD ATENA		
TEST MOTOR ,TIH, FILL PIPE AND BREAK CIRC EVERY 1000', GET MWD SURVEY'S EVERY 100' FROM THE FIRST CLEAN SURVEY BELOW THE CASING SHOE @ 3701'- 5581' BIT DEPTH		
CIRCULATE @ 5581' WAIT ON ORDER'S		
DRILL, ROTATE & SLIDE 5590' -5685 (95' @ 95'/HR)		
WOB: 10-15K		
RPM: (TDS- 40 / MM-126) TOTAL 166		
GPM: 275		
SPP: 1600 PSI		
DIFF: 250- 450 PSI		
TRQ: 5-7		
MW: 8.9-9.0 PPG		
Report Number 9	Report Start Date 9/22/2024	Report End Date 9/23/2024
Operation		
ROTATE & SLIDE (control drilling thru Point Lookout 75'-125'/HR) 5685'-6550' (865' @ 72'/HR)		
WOB: 5-15K		
RPM: 170 (TDS- 40 / MM-130)		
GPM: 270		
SPP: 1400-1800 PSI		
DIFF: 150- 750 PSI		
TRQ: 5-7		
MW: 8.9-9.2 PPG		
NOTE: MAINTAINING 10% LCM IN ACTIVE SYSTEM BYPASSING SHAKER SCREENS		
ROTATE & SLIDE F/6550'- 7275' (725' @111'/HR)		
WOB: 5-15K		
RPM: 170 (TDS- 40 / MM-130)		
GPM: 270		
SPP: 1800-2200 PSI		
DIFF: 250- 750 PSI		
TRQ: 5-7		
MW: 8.9-9.2 PPG		
NOTE: MAINTAINING 10% LCM IN ACTIVE SYSTEM BYPASSING SHAKER SCREENS, ROP <20'/HR 7470'-7490'		
LOST RETURN'S @ 7275', PULL 5 STANDS, MIX AND PUMP LCM, BUILD VOLUME AND LCM CONTENT TO 20% (TOTAL LOSSES APX 400 BBL)		
TIH 5 STAND'S AND BREAK CIRCULATION, WASH LAST STAND TO BOTTOM, SLOWLY STAGE UP PUMP , SEEPAGE AROUND 10 BBL HR		
ROTATE & SLIDE F/ 7275' - 7420' (145' @ 72'/HR)		
WOB: 5-15K		
RPM: 170 (TDS- 40 / MM-130)		
GPM: 230		
SPP: 1400-1500 PSI		
DIFF: 250- 450 PSI		
TRQ: 5-7		
MW: 8.9-9.1 PPG		
NOTE: MAINTAINING 20% LCM IN ACTIVE SYSTEM BYPASSING SHAKER SCREENS		
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Well Operations Summary L48

Well Name: JICARILLA A #2 ST1

API: 3003906450		Field: Pictured Cliffs	State: NEW MEXICO
		Sundry #:	Rig/Service: 3
Report Number 10	Report Start Date 9/23/2024	Report End Date 9/24/2024	
Operation			
ROTATE & SLIDE F/ 7420'- 7971' TD (551' @ 52'/HR) WOB: 10-15K RPM: 170 (TDS- 40 / MM-130) GPM: 250 SPP:1600- 1720 PSI DIFF: 250- 500 PSI TRQ: 5-7 MW: 8.9-9.1 PPG NOTE: MAINTAINING 20% LCM IN ACTIVE SYSTEM BYPASSING SHAKER SCREENS			
CIRCULATE, PUMP SWEEP'S			
SHORT TRIP TO 5590' AND BACK TO BOTTOM, NO EXCESSIVE DRAG OR TIGHT SPOTS			
PUMP SWEEP AND CIRCULATE			
PUMP DRY PIPE SLUG, TOO H LAYING DOWN DRILL STRING TO RACK'S			
LAY DOWN THE DIRECTIONAL TOOLS, RIH 3 STANDS DC'S AND LD			
RIG UP SAN JUAN CASING AND HOLD SAFETY MEETING			
RUN 4 1/2" PRODUCTION CASING			
Report Number 11	Report Start Date 9/24/2024	Report End Date 9/25/2024	
Operation			
RUN 211 JTS 4-1/2" 11.6# J-55 BTC PRODUCTION CASING SHOE @ 7966' FC @ 7925' MARKER JTS @ 7687' & 5735' FILL PIPE AND BREAK CIRC EVERY 1500'			
CSG/CMT NOTICE ON BLM OPS LINE 9/22/2024 @ 20:00 HRS, MONICA K, NMOCD CELL 9/22/2024 @ 20:00 HRS, JARED BENALLY, JICARILLA BLM, 9/22/2024 @ 22:00 HRS.			
BREAK CIRCULATION & STAGE PUMPS UP TO 5 BPM W/ 600 PSI, CIRCULATE CASING CAPACITY X 2 (15% LCM IN ACTIVE SYSTEM) PJSM, RDMO SAN JUAN CASING TOOLS PJSM, MIRU AMERICAN CEMENTING			
S/M, RIG UP CEMENT HEAD, LOAD PLUG, PUMP 3 BBL FRESH WATER, TEST LINES TO 3000 PSI, PUMP 40 BBL MUD FLUSH SPACER MIXED @ 8.7 # PUMP 134 SKS, 123 BBLS TYPE II CEMENT WITH ADDITIVES MIXED @ 9.5 PPG, 5.14 YIELD, 22.70 GPS. DROP PLUG AND DISPLACE WITH 123 BBLS FRESH WATER, LAND PLUG @ 19:16 HRS. FLOATS HELD 1 1/4 BBL BLEED BACK. (HAD FULL CIRCULATION UP TO 100 BBL CEMENT PUMPED, CALCULATED TOP OF SPACER AT TIME OF TOTAL LOSS ,6958', DID NOT GET ANY RETURN'S THE REMAINDER OF JOB) NO GOVERNMENT AGENCIES WITNESSED CEMENT JOB.			
WOC, RIG DOWN CEMENTER'S, MONITOR FLUID LEVEL, HOLE STAYING FULL AT THE BOP LEVEL. RIG DOWN BLOUIE LINE			
NIPPLE DOWN AND HANG BOP			
SET CASING SLIP'S 15K OVER STRING WT. TOTAL 100K, CUT OFF AND REMOVE CUT OFF			
SET BACK DOWN BOP, SEPERATE FLOW CROSS AND ANNULAR SECTION FROM BOP, REMOVE FROM SUBSTRUCTURE. INSTALL NIGHT CAP.			
RIG DOWN			
Report Number 12	Report Start Date 9/25/2024	Report End Date 9/26/2024	
Operation			
CONT TO RD & CLEAN DRAKE 3, CLEAN MUD TANKS, CLEAN & MOB MISC TOOLS, LAY OVER DERRICK & STAGE LOADS FOR LOAD OUT, RD, CLEAN & MOB BACKYARD EQUIPMENT, HAUL OUT LIQUID MUD, RETURN SACK MATERIAL TO UFS ***RELEASE RIG @ 1800 ON 9/25/24***			
CONT TO RD & CLEAN DRAKE 3, GATHER ALL RENTAL EQUIPMENT AND STAGE FOR LOAD OUT, CLEAN UP LOCATION, HAUL DIRTY WATER TO DISPOSAL, BREAK TOUR			
WAIT ON DAYLIGHT			



Schematic - Current

Well Name: JICARILLA A #2 ST1

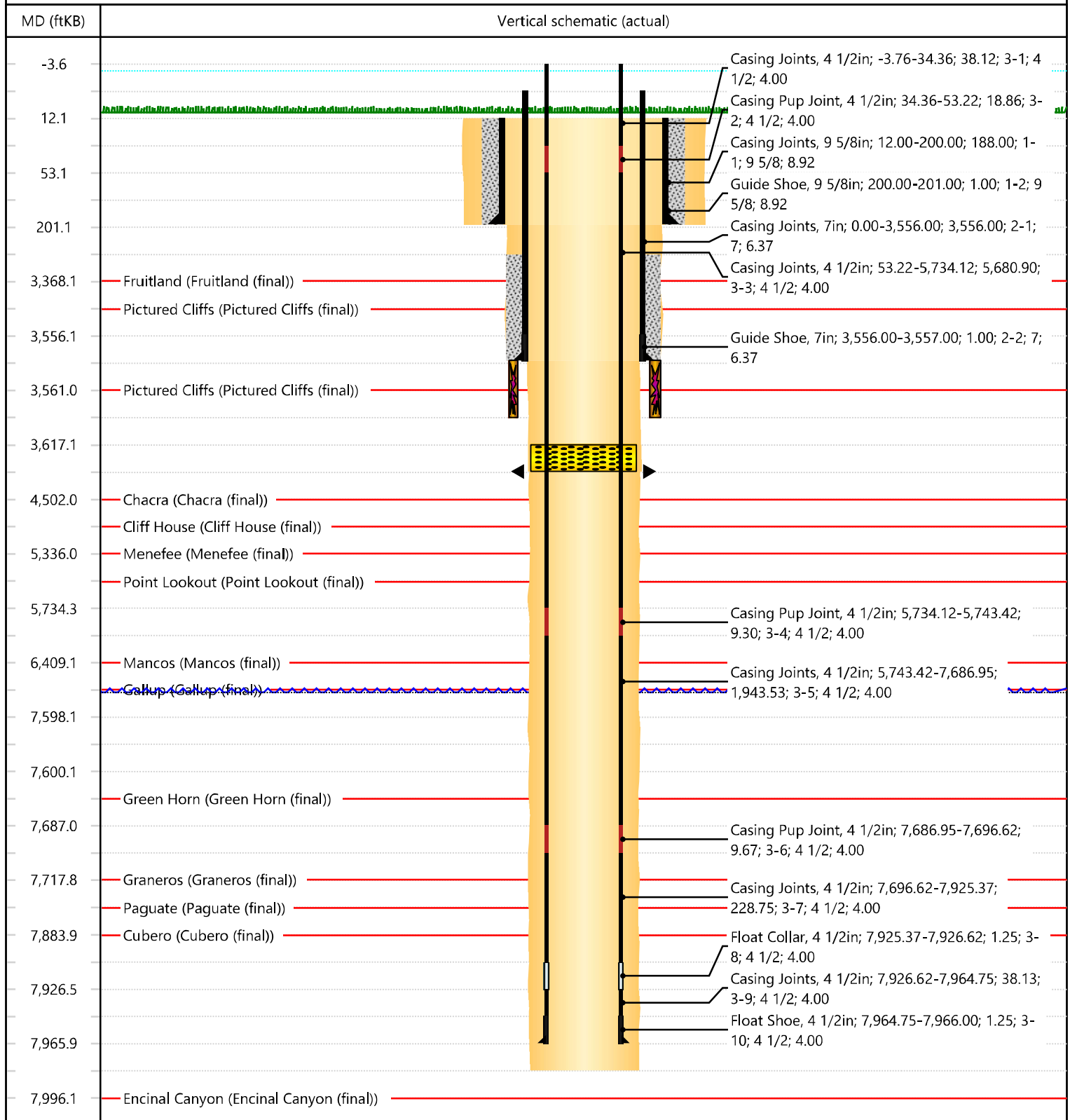
API / UWI 3003906450	Surface Legal Location 014-026N-004W-M	Field Name Pictured Cliffs	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KB/RT Elevation (ft) 6,915.00	RKB to GL (ft) 12.00	Original Spud Date 3/29/1954 00:00	Rig Release Date 4/12/1954 00:00	PBTD (All) Sidetrack 1 - 7,996.0	Total Depth All (TVD) Sidetrack 1 - 7,970.1

Most Recent Job

Job Category Drilling - Completion	Primary Job Type INITIAL COMPLETION	Secondary Job Type SIDETRACK	Actual Start Date 9/27/2024	End Date
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TD: 7,971.0

Sidetrack 1 [Vertical]



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 405497

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 405497
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
keith.dziokonski	Report pressure test on next sundry. Include test pressure and duration.	11/22/2024
keith.dziokonski	Report top of cement on next sundry.	11/22/2024