NMOGA

EXHIBIT D

Roderick C. Milligan

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EDUCATION

TUSKEGEE UNIVERSITY

B.S., Electrical Engineering, Power Concentration

- Kappa Alpha Psi Fraternity President - 2010-2011

PROFESSIONAL EXPERIENCE

CHEVRON NORTH AMERICA

Characterize and Define Drilling & Completions Engineer

- Provide the asset team with design concepts, (directional design, cement design, and casing design).
- Create standards on the bit design and bottom hole assembly (BHA) to reduce the tendency of the well to deviate from the target plan.
- Work with supply chain and directional companies to create contracts that reflect feasible drilling days.

Project Execution Drilling & Completions Engineer

- Collaborated with a multifunctional project team to deliver a Saltwater Disposal (15,000' TVD) well while staying within the drilling tolerance.
- Executed 90% of the wells within 1st Quartile performance, based on offset operator benchmarking, analyzing major gaps in the process and improving the execution of those gaps through personnel training of best practices.
- Decreased the dogleg severity in wells by collaborating with geologist to stay within the geological target.
- Collaborate with bit manufacturing companies to design a well to reduce the deviation from the designed target line.

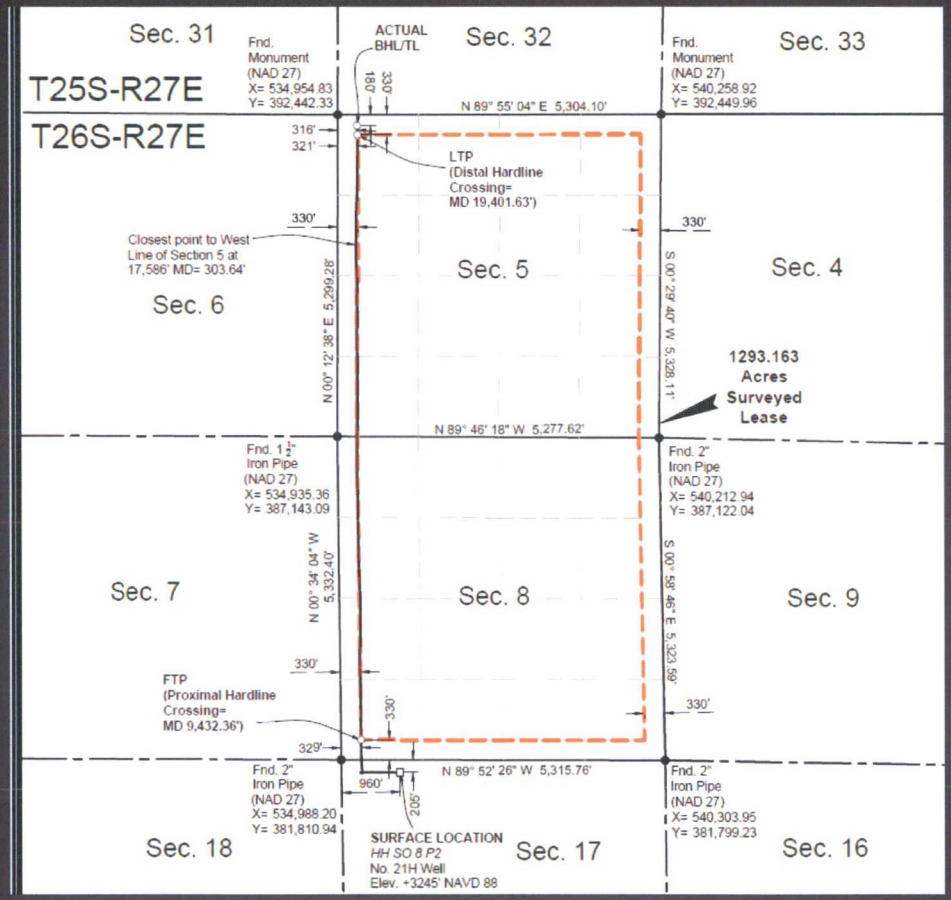
Lead Design and Planning Drilling Engineer (Texas, New Mexico)

- Planned and designed the development the directional plan of multiple reservoir benches.
- Developed the standard for New Mexico six well pad directional plan.
- Developed a Master Development Plan for Bureau of Land Management (BLM) regulatory group to reduce the turnaround time for permits from 6-8 months to two weeks.
- Ran well analysis for the torque and drag of a well design.
- Created time estimates based on the well design and directional work

Drill Site Manager (East Texas, Oklahoma, New Mexico, West Texas)

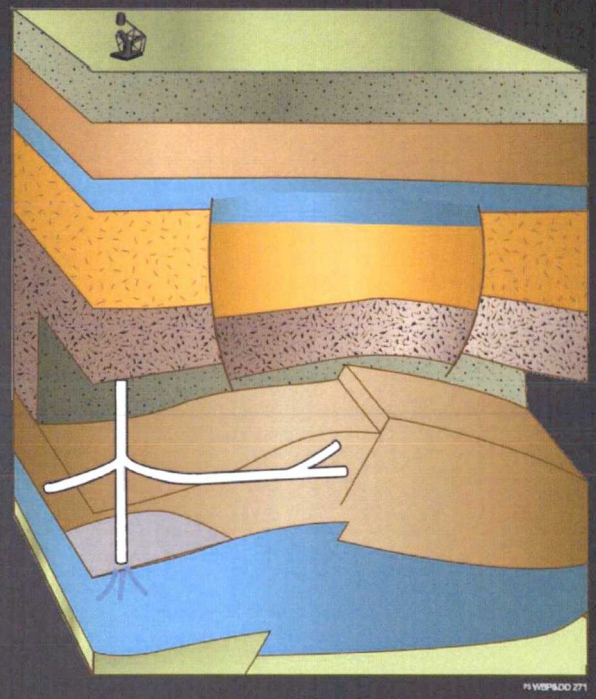
- Spearheaded the implementation of Schlumberger rotatory steerable technology on a well for the control of the directional work from an original cycle of 58 days (1st Quartile metrics).
- Held direct accountability for regulatory compliance, on-site contractor safety, and productivity for over 100 field operations.
- Managed the execution of the directional drill plan.

Plat


Sec. 31
T25S-R27E
T26S-R27E
Fnd. Monument (NAD 27) X= 534,954.83 Y= 392,442.33
ACTUAL BHL/TL
Sec. 32
Fnd. Monument (NAD 27) X= 540,258.92 Y= 392,449.96
Sec. 33
180'
330'
N 89° 55' 04" E 5,304.10'
316'
321'
LTP (Distal Hardline Crossing= MD 19,401.63')
330'
Closest point to West Line of Section 5 at 17,586' MD= 303.64'
Sec. 6
Sec. 5
Sec. 4
N 00° 12' 38" E 5,299.28'
S 00° 29' 40" W 5,328.11'
1293.163 Acres Surveyed Lease
N 89° 46' 18" W 5,277.62'
Fnd. 1 1/2" Iron Pipe (NAD 27) X= 534,935.36 Y= 387,143.09
Fnd. 2" Iron Pipe (NAD 27) X= 540,212.94 Y= 387,122.04
Sec. 7
Sec. 8
Sec. 9
N 00° 34' 04" W 5,332.40'
S 00° 58' 46" E 5,323.59'
FTP (Proximal Hardline Crossing= MD 9,432.36')
329'
N 89° 52' 26" W 5,315.76'
960'
205'
Fnd. 2" Iron Pipe (NAD 27) X= 534,988.20 Y= 381,810.94
Fnd. 2" Iron Pipe (NAD 27) X= 540,303.95 Y= 381,799.23
SURFACE LOCATION
HH SO 8 P2
No. 21H Well
Elev. +3245' NAVD 88
Sec. 18
Sec. 17
Sec. 16

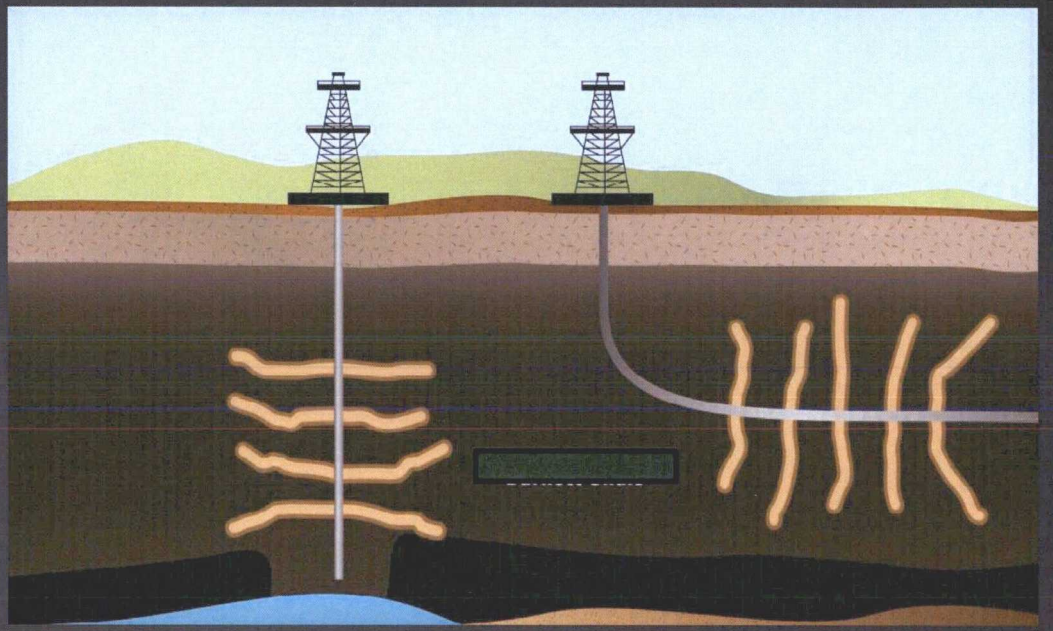
WHAT IS **COVERED**

- Directional Drilling Methods
- BHA Design
- Drillstring Components: Stabilizers, Motors
- Problems associated with Directional Drilling



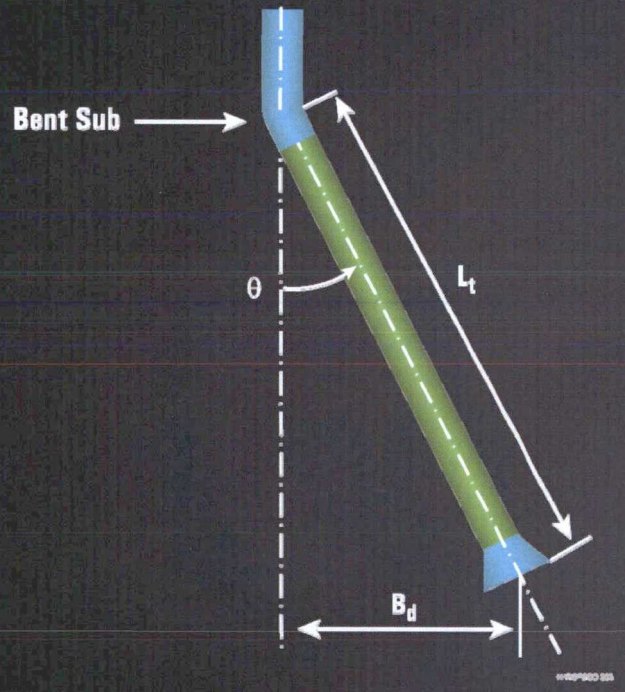
DEFLECTION DEVICES AND METHODS

- Rotary Assemblies
  - Bent Motors
  - Rotary Steerable System



BENT MOTORS

BENT SUB



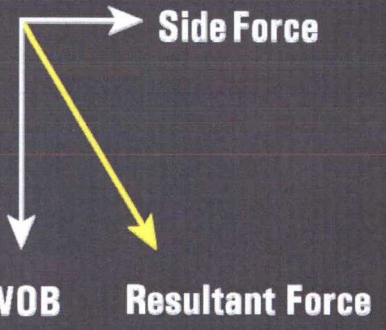
Lateral distance from the BHA centerline to the bit center.

$$B_d = L_t \times \sin\theta \quad [in]$$

where: L_t (in) length from bend to bit
θ (°) bend angle

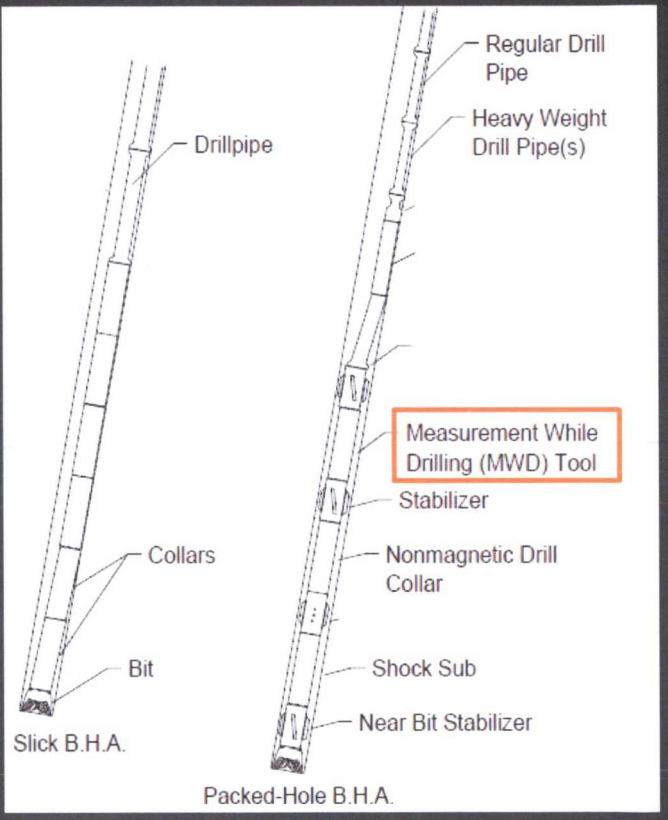
KICKOFF IN OPEN HOLE

- The bit, motor and stabilizers form 3 contact points for a defined circular path.
- 3-point geometry applies.

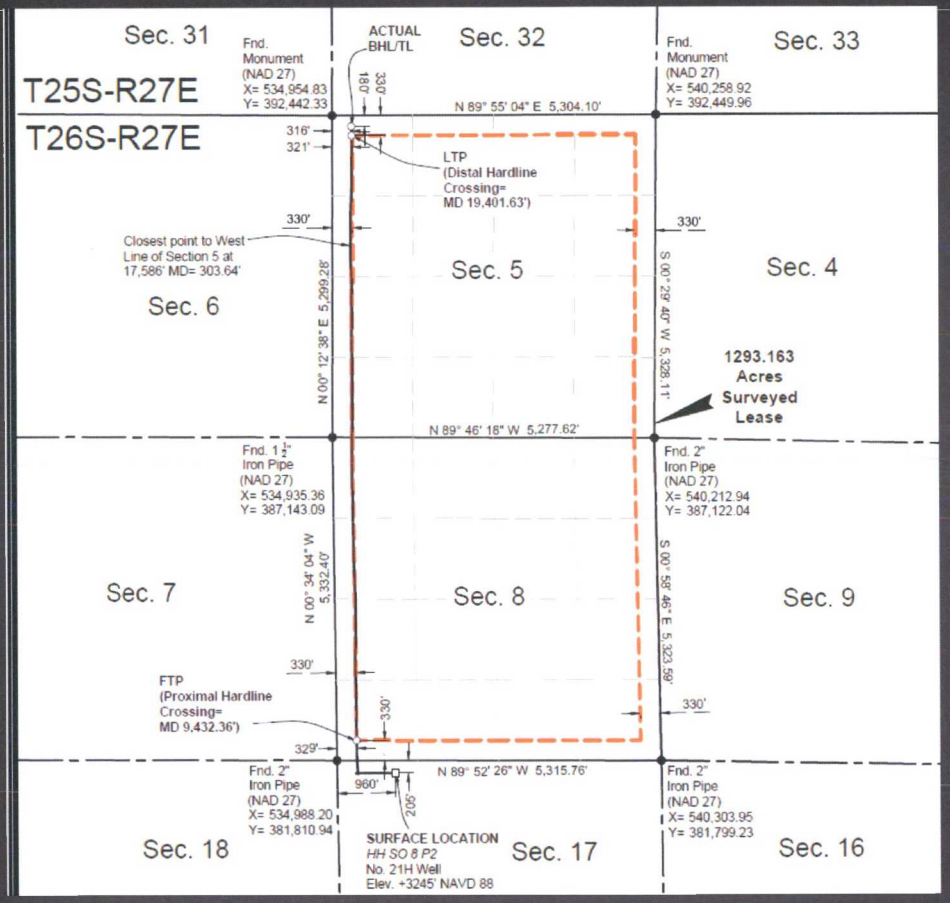


Common BHA Problems to Control Directional

- Formation Effects
  - soft formation
  - hard formation
  - natural fractures
  - thin laminated formations
- Worn Stabilizers/Bits
  - undergauge Stabs/bits
- Measure While Drilling (MWD) Tool
  - Normally 40 ft. - 60 ft. behind the bit



Plat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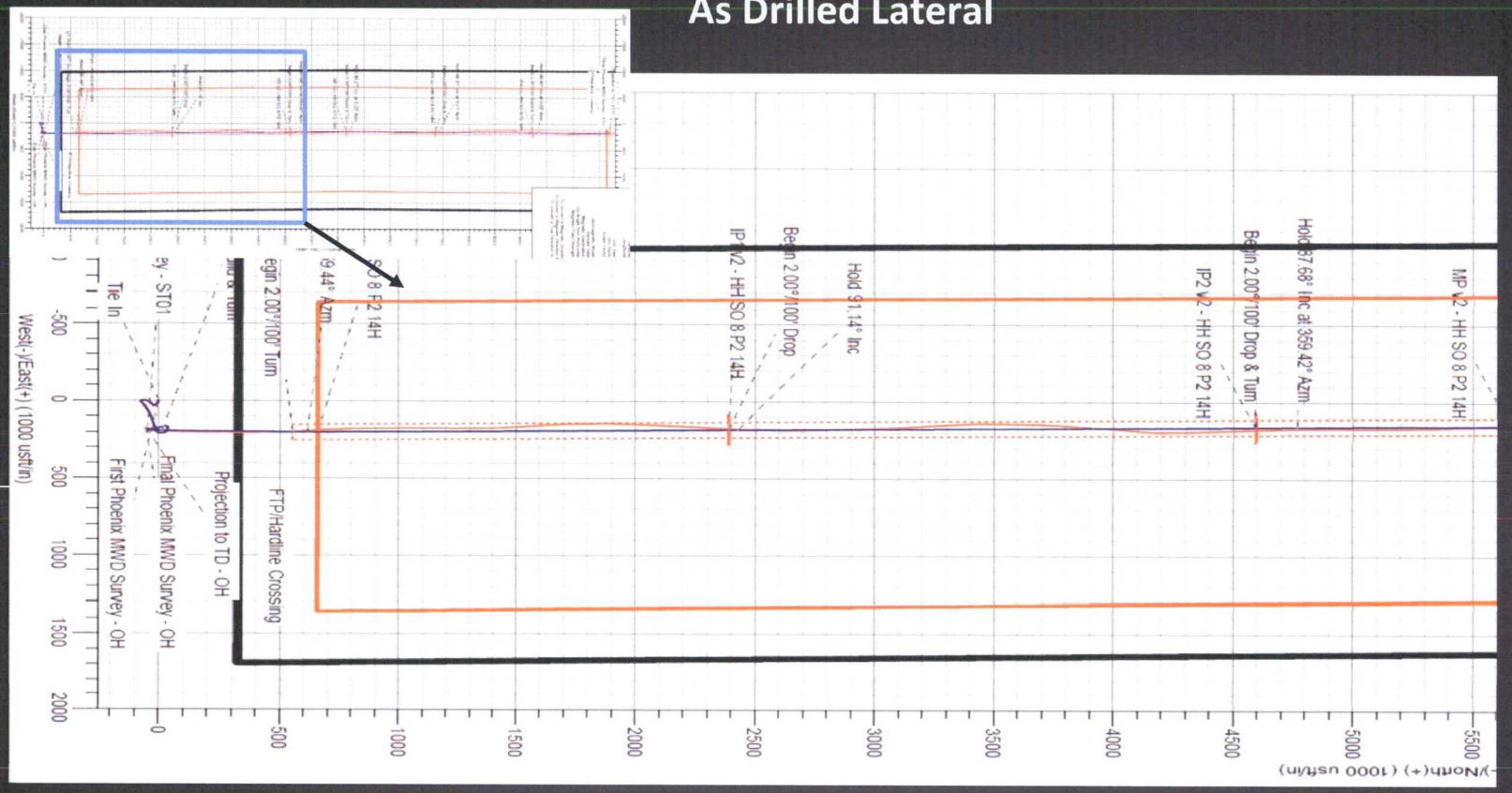
As Drilled Lateral



Summary

Ideal Situation

- Zero Tool Tolerance
- Zero Geological Anomalies
- Perfect Execution of Deflections
- Continuous Location Awareness at the Bit

Actual Situation

- Tools Manufactured with tolerances
- Geological Anomalies Occur
- Operations Adjust Drilling Parameter to Meet Undesired Deflections
- Location Measurements Lag 40-60' Behind the Bit

Conclusion

Operators Need a 50 Feet tolerance to Manage Latent Hole Conditions