

Form 3160-3
(October 2024)

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2027

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No.
1b. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
1c. Type of Completion: <input type="checkbox"/> Hydraulic Fracturing <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		7. If Unit or CA Agreement, Name and No.
2. Name of Operator		8. Lease Name and Well No.
3a. Address		9. API Well No. 30-045-38525
3b. Phone No. (include area code)		10. Field and Pool, or Exploratory
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface At proposed prod. zone		11. Sec., T. R. M. or Blk. and Survey or Area
14. Distance in miles and direction from nearest town or post office*		12. County or Parish
		13. State
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No of acres in lease	17. Spacing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth	20. BLM/BIA Bond No. in file
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will start*	23. Estimated duration
24. Attachments		

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, and the Hydraulic Fracturing rule per 43 CFR 3162.3-3 (as applicable)

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be requested by the BLM. |

25. Signature	Name (Printed/Typed)	Date
Title		
Approved by (Signature)	Name (Printed/Typed)	Date
Title	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

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.



(Continued on page 2)

*(Instructions on page 2)

Additional Operator Remarks

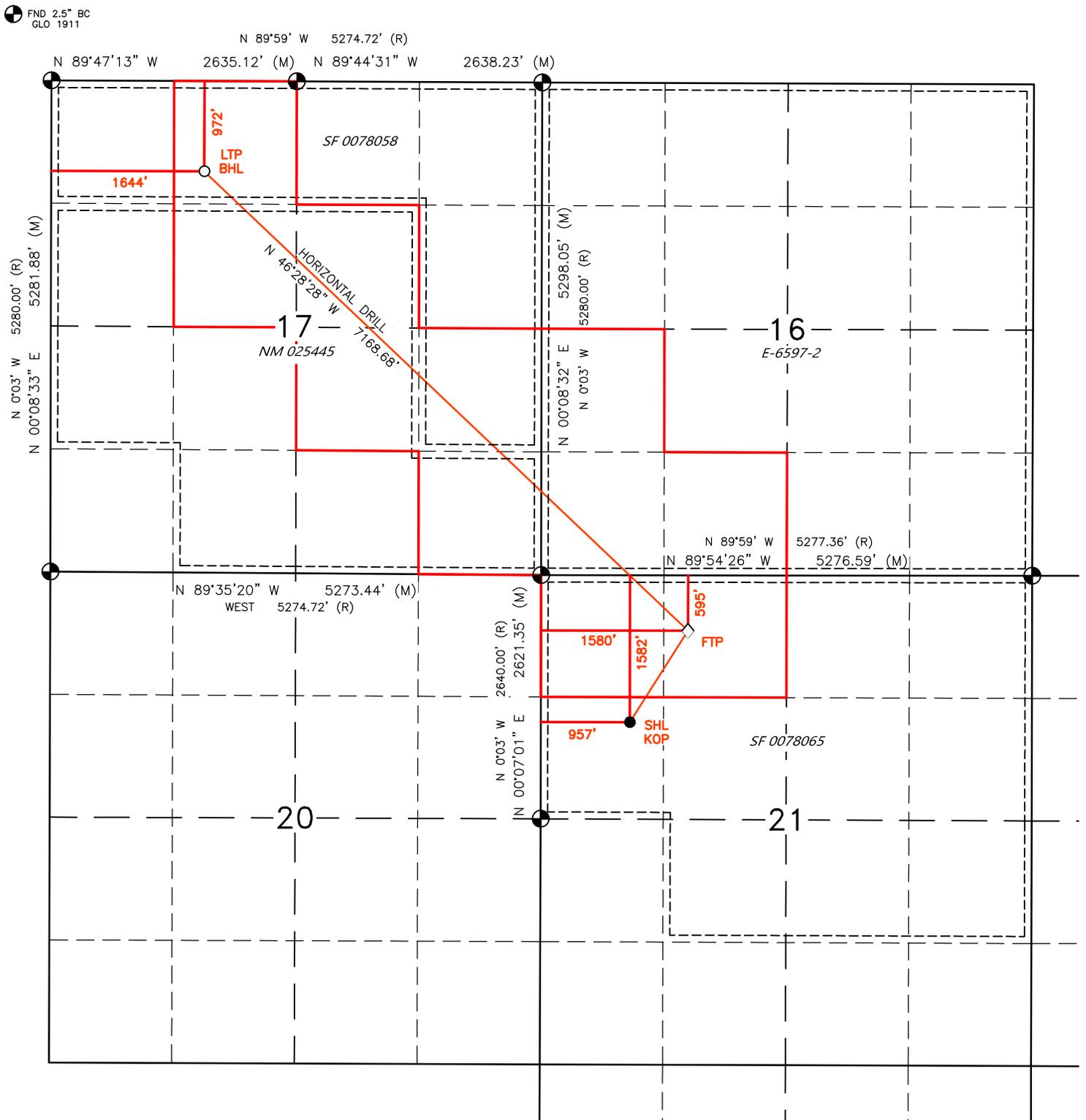
Location of Well

0. SHL: SWNW / 1582 FNL / 957 FWL / TWSP: 25N / RANGE: 12W / SECTION: 21 / LAT: 36.3895432 / LONG: -108.1225226 (TVD: 0 feet, MD: 0 feet)
PPP: NENW / 595 FNL / 1580 FWL / TWSP: 25N / RANGE: 12W / SECTION: 21 / LAT: 36.3922603 / LONG: -108.1204083 (TVD: 4814 feet, MD: 5303 feet)
PPP: SWSW / 1 FSL / 951 FWL / TWSP: 25N / RANGE: 12W / SECTION: 16 / LAT: 36.3938923 / LONG: -108.1225463 (TVD: 4891 feet, MD: 12523 feet)
PPP: NESE / 1327 FSL / 454 FEL / TWSP: 25N / RANGE: 12W / SECTION: 17 / LAT: 36.3975384 / LONG: -108.1273234 (TVD: 4891 feet, MD: 12523 feet)
PPP: SESE / 903 FSL / 1 FEL / TWSP: 25N / RANGE: 12W / SECTION: 17 / LAT: 36.3963633 / LONG: -108.1257837 (TVD: 4891 feet, MD: 12523 feet)
PPP: NWSE / 2138 FSL / 1320 FEL / TWSP: 25N / RANGE: 12W / SECTION: 17 / LAT: 36.3997844 / LONG: -108.1302664 (TVD: 4891 feet, MD: 12523 feet)
BHL: NENW / 972 FNL / 1644 FWL / TWSP: 25N / RANGE: 12W / SECTION: 17 / LAT: 36.4057781 / LONG: -108.1381215 (TVD: 4891 feet, MD: 12523 feet)

BLM Point of Contact

Name: CHRISTOPHER P WENMAN
Title: Natural Resource Specialist
Phone: (505) 564-7727
Email: cwenman@blm.gov

CONFIDENTIAL



SURFACE LOCATION (SHL) ●
 1582' FNL 957' FWL
 SEC. 21, T25N, R12W
 LAT. 36.389543° N (NAD83)
 LONG. 108.122523° W (NAD83)

KICK OFF POINT (KOP) ▲
 1582' FNL 957' FWL
 SEC. 21, T25N, R12W
 LAT. 36.389543° N (NAD83)
 LONG. 108.122523° W (NAD83)

FIRST TAKE POINT (FTP) ◇
 595' FNL 1580' FWL
 SEC. 21, T25N, R12W
 LAT. 36.392260° N (NAD83)
 LONG. 108.120408° W (NAD83)

LAST TAKE POINT (LTP) □
 972' FNL 1644' FWL
 SEC. 17, T25N, R12W
 LAT. 36.405778° N (NAD83)
 LONG. 108.138122° W (NAD83)

BOTTOM HOLE LOCATION (BHL) ○
 972' FNL 1644' FWL
 SEC. 17, T25N, R12W
 LAT. 36.405778° N (NAD83)
 LONG. 108.138122° W (NAD83)

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description Effective May 25, 2021

I. Operator: DJR Operating, LLC **OGRID:** 371838 **Date:** 12 / 12 / 2025

II. Type: Original Amendment due to 19.15.27.9.D(6)(a) NMAC 19.15.27.9.D(6)(b) NMAC Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Carson Unit 578H	TBD	E-21-25N-12W	1602 FNL 957 FWL	850	1701	166
Carson Unit 582H	TBD	E-21-25N-12W	1622 FNL 657 FWL	850	1701	166
Carson Unit 605H	TBD	E-21-25N-12W	1582 FNL 957 FWL	850	1701	166
Carson Unit 609H	TBD	E-21-25N-12W	1562 FNL 657 FWL	850	1701	166
				3-year Decline	3-year Decline	3-year Decline
Carson Unit 578H	TBD	E-21-25N-12W	1602 FNL 957 FWL	192	384	38
Carson Unit 582H	TBD	E-21-25N-12W	1622 FNL 657 FWL	192	384	38
Carson Unit 605H	TBD	E-21-25N-12W	1582 FNL 957 FWL	192	384	38
Carson Unit 609H	TBD	E-21-25N-12W	1562 FNL 657 FWL	192	384	38

IV. Central Delivery Point Name: Chaco Processing Plant [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Carson Unit 578H	TBD	Q2 2026	Q2 2026	Q2 2026	Q2 2026	Q2 2026
Carson Unit 582H	TBD	Q2 2026	Q2 2026	Q2 2026	Q2 2026	Q2 2026
Carson Unit 605H	TBD	Q2 2026	Q2 2026	Q2 2026	Q2 2026	Q2 2026
Carson Unit 609H	TBD	Q2 2026	Q2 2026	Q2 2026	Q2 2026	Q2 2026

VI. Separation Equipment: Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: Attach a complete description of Operator’s best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system will will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator does does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

Attach Operator’s plan to manage production in response to the increased line pressure.

XIV. Confidentiality: Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system.

If Operator checks this box, Operator will select one of the following:

Well Shut-In. Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- (a) power generation on lease;
- (b) power generation for grid;
- (c) compression on lease;
- (d) liquids removal on lease;
- (e) reinjection for underground storage;
- (f) reinjection for temporary storage;
- (g) reinjection for enhanced oil recovery;
- (h) fuel cell production; and
- (i) other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature: <i>Shaw-Marie Valadez</i>
Printed Name: Shaw-Marie Valadez
Title: Regulatory Specialist
E-mail Address: sford@enduringresources.com
Date: 12/12/2025
Phone: 505-716-3297
OIL CONSERVATION DIVISION (Only applicable when submitted as a standalone form)
Approved By:
Title:
Approval Date:
Conditions of Approval:



DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
CARSON UNIT 578H 582H 605H and 609H

SEPARATION EQUIPMENT

DJR Operating, LLC (DJR) has pulled representative pressurized samples from wells in the same producing formation. DJR has utilized these samples in process simulations to determine the amount of gas anticipated in each stage of the process and utilized this information with a safety factor to size the equipment listed below:

Separation equipment will be set as follows:

- Individual 3 phase separator will be set for the individual well.
- The separator will be sized based on the anticipated volume of the well and the pressure of the lines utilized for oil, gas, and water takeaway.
- The 3 phase production separator will be equipped with a 0.75 MMBtu/hr indirect fired heater.

Heater treaters will be set as follows:

- Individual heater treaters will be set for the individual well.
- The heater treaters are sized based on the anticipated combined volume of oil and produced water predicted to come from the initial 3 phase separator.
- Oil will be separated from the produced water and the oil/produced water will be sent to its respective tanks.
- The combined oil and natural gas stream is routed to the Vapor Recovery Tower.

Vapor Recovery Equipment will be set as follows:

- The Vapor Recovery Tower has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks.
- The Vapor Recovery Unit has been sized, based on the anticipated volume of gas from the heater treater and oil and water tanks. The Vapor Recovery Unit is utilized to push the recovered gas into the sales pipeline.

Production storage tanks will be set as follows:

- The oil and produced water tanks utilize a closed vent capture system to ensure all breathing, working, and flashing losses are routed to the Vapor Recovery Tower and Vapor Recovery Unit.
- Each of the production storage tanks will be equipped with a 0.5 MMBtu/hr indirect heater.



DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
CARSON UNIT 578H 582H 605H and 609H

VENTING and FLARING

DJR Operating, LLC (DJR) has a natural gas system available prior to startup of completion operations. DJR utilizes a Vapor Recovery Unit System and sells all natural gas except during periods of startup, shutdown, maintenance, or malfunction for the gas capturing equipment, including the vapor recovery tower, vapor recovery unit, storage tanks, and pipelines.

Currently, DJR utilizes the following from list A-I of Section 3 for its operations to minimize flaring:

- a) DJR utilizes natural gas-powered generators to power its leases where grid power isn't available.
- b) When electrical grid power is unavailable, natural gas generators will be used for major equipment onsite.
- c) DJR's in service compression will be natural gas powered.
- d) Should liquids removal, such as dehydration be required, units will be powered by natural gas.

DJR will only flare gas during the following times:

- o Scheduled maintenance for gas capturing equipment including:
 - o Vapor Recovery Tower
 - o Vapor Recovery Unit
 - o Storage tanks
 - o Pipelines
 - o Emergency flaring



DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
CARSON UNIT 578H 582H 605H and 609H

OPERATIONAL PRACTICES

19.15.27.8 A. Venting and Flaring of Natural Gas

DJR Operating, LLC (DJR) understands the requirements of NMAC 19.15.27.8 which states that the venting and flaring of natural gas during drilling, completion or production that constitutes waste as defined in 19.15.2 are prohibited.

19.15.27.8 B. Venting and flaring during drilling operations

- DJR shall capture or combust natural gas if technically feasible during drilling operations using best industry practices.
- A flare stack with a 100% capacity for expected volumes will be set on location of the facility at least 100 feet from the nearest surface hole location, well heads, and storage tanks.
- In the event of an emergency, DJR will vent natural gas in order to avoid substantial impact. DJR shall report the vented or flared gas to the NMOCD.

19.15.27.8 E. Venting and flaring during completion or recompletion operations

During Completion Operations, DJR utilizes the following:

- DJR facilities are built and ready from day 1 of Flowback.
- Individual well test separators will be set to properly separate gas and liquids. Temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline. See Separation Equipment for details.
- Should the facility not yet be capable of processing gas, or the gas does not meet quality standards, then storage tanks will be set that are tied into gas busters or temporary flare to manage natural gas. This flare would meet the following requirements:
 - 1) An appropriately sized flare stack with an automatic igniter.
 - 2) DJR analyzes the natural gas samples twice per week.
 - 3) DJR routes the natural gas into a gathering pipeline as soon as the pipeline specifications are met.
 - 4) DJR provides the NMOCD with pipeline specifications and natural gas data.



19.15.27.8 D. Venting and flaring during production operations

During Production Operations DJR will not vent or flare natural gas except under the following circumstances:

1. During an emergency or malfunction
2. To unload or clean-up liquid holdup in a well to atmospheric pressure, provided:
 - a. DJR does not vent after the well achieves a stabilized rate and pressure.
 - b. DJR will remain present on-site during liquids unloading by manual purging and take all reasonable actions to achieve a stabilized rate and pressure at the earliest practical time.
 - c. DJR will optimize the system to minimize natural gas venting on any well equipped with a plunger lift or auto control system.
 - d. Best Management Practices will be used during downhole well maintenance.
3. During the first year of production from an exploratory well provided:
 - a. DJR receives approval from the NMOCD.
 - b. DJR remains in compliance with the NM gas capture requirements.
 - c. DJR submits an updated C-129 form to the NMOCD.
4. During the following activities unless prohibited:
 - a. Gauging or sampling a storage tank or low-pressure production vessel.
 - b. Loading out liquids from a storage tank.
 - c. Repair and maintenance.
 - d. Normal operation of gas activated pneumatic controller or pump.
 - e. Normal operation of a storage tank but not including venting from a thief hatch.
 - f. Normal operation of dehydration units.
 - g. Normal operations of compressors, compressor engines, turbines, valves, flanges, and connectors.
 - h. During a bradenhead, packer leakage test, or production test lasting less than 24-hours.
 - i. When natural gas does not meet the gathering pipeline specifications.
 - j. Commissioning of pipelines, equipment, or facilities only for as long as necessary to purge introduced impurities.

19.15.27.8 E. Performance standards

1. DJR has utilized process simulations with a safety factor to design all separation and storage equipment. The equipment is routed to a Vapor Recovery System and utilizes a flare as back up for periods of startup, shutdown, maintenance, or malfunction of the VRU System.
2. DJR will install a flare that designed to handle the full volume of vapors from the facility in case of the VRU failure and it its designed with an auto ignition system.
3. Flare stacks will appropriately sized and designed to ensure proper combustion efficiency.
 - a. Flare stacks installed or replaced will be equipped with an automatic ignitor or continuous pilot.



- b. Previously installed flare stacks will be retrofitted with an automatic ignitor, continuous pilot, or technology that alerts DJR of flare malfunction within 18 months after May 25, 2021.
 - c. Flare stacks replaced after May 25, 2021, will be equipped with an automatic ignitor or continuous pilot if located at a well or facility with average daily production of 60,000 cubic feet of natural gas or less.
 - d. Flare stacks will be located at least 100 feet from the well and storage tanks and securely anchored.
4. DJR will conduct an AVO inspection on all components for leaks and defects on a weekly basis.
 5. DJR will make and keep records of AVO inspections which will be available to the NMOCD for at least 5 years.
 6. DJR may use a remote or automated monitoring technology to detect leaks and releases in lieu of AVO inspections with prior NMOCD approval.
 7. Facilities will be designed to minimize waste.
 8. DJR will resolve emergencies as promptly as possible.

19.15.27.8 F. Measurement or estimation of vented and flared natural gas

1. DJR will have meters on both the low- and high-pressure sides of the flares and the volumes will be recorded in DJR's SCADA system.
2. DJR will install equipment to measure the volume of flared natural gas that has an average daily production of 60,000 cubic feet or greater of natural gas.
3. DJR's measuring equipment will conform to the industry standards.
4. The measurement system is designed such that it cannot be bypassed except for inspections and servicing meters.
5. DJR will estimate the volume of vented or flared natural gas using a methodology that can be independently verified if metering is not practicable due to low flow rate or pressure.
6. DJR will estimate the volume of flared and vented natural gas based on the results of an annual GOR test for wells that do not require measuring equipment reported on Form C-116.
7. DJR will install measuring equipment whenever the NMOCD determines that metering is necessary.



DJR OPERATING, LLC.
OGRID NO: 371838
NATURAL GAS MANAGEMENT PLAN
CARSON UNIT 578H 582H 605H and 609H

BEST MANAGEMENT PRACTICES

DJR Operating, LLC (DJR) utilizes the following Best Management Practices to minimize venting during active and planned maintenance.

DJR has a closed vent capture system to route emissions from the heater treater, tanks, and vapor recovery to the vapor recovery unit with an enclosed combustion device (ECD) for backup. The system is designed such that if the vapor recovery unit is taken out of service for any reason, the vapors will be routed to the ECD for combustion.

DJR will isolate and attempt to route all vapors to the vapor recovery unit or ECD prior to opening any lines for maintenance to minimize venting from the equipment.

DJR shall notify the NMOCD of venting or flaring that exceeds 50 MCF but less than 500 MCF in volume that either resulted from an emergency or malfunction, or an event lasting over eight hours or more cumulatively within any 24-hour period from a single event by filing a form C-129 no later than 15 days following the discovery or commencement of venting or flaring.

DJR shall notify the NMOCD verbally or by e-mail within 24-hours following discovery or commencement of venting or flaring that exceeds 500 MCF in volume or otherwise qualifies as a major release as defined in 19.15.29.7 NMAC from a single event and provide the information required in form C-129 to the NMOCD no later than 15 days that verifies, updates, or corrects the verbal or e-mail notification.

DJR will install measuring equipment to conform to industry standards such as American Petroleum Institute (API) Manual of Petroleum Measurement Standards (MPMS) Chapter 14.10 Measurement of Flow to Flares.

DJR's measuring equipment shall not be designed or equipped with a manifold that allows the diversion of natural gas around the metering element except for the sole purpose of inspecting and servicing the measurement equipment.

DJR shall report the volume of vented and flared natural gas for each well or facility at which venting or flaring occurred on a monthly basis.

Rev 3



DRILLING PLAN Carson Unit #605H San Juan County, New Mexico

Surface Location

957-ft FWL & 1582-ft FNL
Sec 21 T25N R12W
Graded Elevation 6296' MSL
RKB Elevation 6310' (14' KB)

SHL Geographical Coordinates (NAD-83)

Latitude 36.3895432° N
Longitude 108.1225226° W

Kick Off Point for Horizontal Build Curve

4285-ft MD
4133-ft TVD

Local Coordinates (from SHL)

416-ft North
942-ft East

Heel Location (Pay zone entry)

1580-ft FWL & 595-ft FNL
Sec 21 T25N R12W

Heel Geographical Coordinates (NAD-83)

Latitude 36.39226155° N
Longitude 108.12040815° W

Bottom Hole Location (TD)

1644-ft FWL & 972-ft FNL
Sec 17 T25N R12W

BHL Geographical Coordinates (NAD-83)

Latitude 36.4057781° N
Longitude 108.1381215° W

Well objectives

This well is planned as a 7170-ft lateral in the Gallup C sand.

Bottom Hole temperature and pressure

The temperature in the Gallup C horizontal objective is 136°F. Bottom hole pressure in the Gallup C is forecast to be 1985 psi.

Formation Tops (Sd = Sand; Sh = Shale; Siltstone = Slt, Coal = C; W = water; O = oil; G = gas; NP = no penetration)

Name	MD (ft)	TVD (ft)	Lithology	Pore fluid	Expected Pore Pressure (ppg)	Planned Mud Weight (ppg)
Ojo Alamo	206	206	Sd	W	8.3	8.4 – 8.8
Kirtland	355	355	Sh	-	8.3	8.4 – 8.8
Fruitland	938	936	C	G	8.3	9.0 - 9.5
Pictured Cliffs	1189	1181	Sd	W	8.3	9.0 - 9.5
Lewis	1286	1274	Sh	-		9.0 - 9.5
Chacra	1967	1923	Sd	-	8.3	9.0 - 9.5
Menefee	2578	2506	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	3698	3573	Sd	-	8.3	9.0 - 9.5
Mancos	3863	3730	Sh	-		9.0 - 9.5
Mancos Silt	4204	4055	Slt	O/G	6.6	9.0 - 9.5
Gallup A	4785	4583	Slt	O/G	6.6	9.0 - 9.5
Gallup B	4877	4648	Sd	O/G	6.6	8.8 - 9.0
Gallup C	5044	4742	Sd	O/G	6.6	8.8 - 9.0
Target	5354	4816	Sd	O/G	6.6	8.8 - 9.0

Casing Program

Casing OD	Hole Size	Weight (#/ft)	Grade	Coupling	MD Top	MD Bottom	TVD Top	TVD Bottom	Top of Cement
9-5/8"	12-1/4"	36	K-55	STC	surf	350	surf	350	surface
7"	8-3/4"	26	K-55	LTC	surf	5303	surf	4814	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	5012	12523	4727	4891	5012

Note: all casing will be new



Rev 3

Casing Design Load Cases

Description		Casing String		
		9-5/8" Surface	7" Intermediate	4-1/2" Production Liner
Collapse	Full internal evacuation ¹	✓	✓	✓
	Cementing	✓	✓	✓
Burst	Pressure test	✓ ²	✓ ²	✓
	Gas kick		✓ ³	
	Fracture at shoe, 1/3 BHP at surface		✓ ⁴	
	Injection down casing			✓ ⁵
Axial	Dynamic load on casing coupling ⁶	✓	✓	✓
Axial	Overpull ⁷	✓	✓	✓

Note #

- 1 Fluid level at shoe, air column to surface, pore pressure outside
- 2 Tested to 80% of minimum internal yield with freshwater inside, pore pressure outside
- 3 50 bbl kick at TD, 0.50 ppg intensity, 4" drill pipe, 9.0 ppg mud, fracture gradient at shoe
- 4 2060 psi BHP, 687 psi surface pressure, 12.5 ppg EMW shoe integrity
- 5 Surface stimulation pressure of 8000 psi on 8.3 ppg fluid column. Stimulation will be down frac string, so load does not apply to 7" intermediate casing.
- 6 Shock load from abrupt pipe deceleration, evaluated against coupling rating
- 7 Overpull values as follows: Surface casing 20,000 lbs, Intermediate & Production 100,000 lbs

Casing Design Factors

Casing string	Casing OD	Design Factors			
		Burst	Collapse	Axial	Triaxial
Surface	9-5/8"	1.25	13.38	8.16	1.56
Intermediate	7"	1.25	1.50	1.68	1.34
Production liner	4-1/2"	1.37	3.68	1.88	1.69

Cement Design

9-5/8" Surface Casing

	<u>Lead</u>
Name	Redi-Mix
Type	I-II
Planned top	Surface
Density (ppg)	14.50
Yield (cf/sx)	1.61
Mix water (gal/sx)	7.41
Volume (sx)	114
Volume (bbls)	33
Volume (cu. ft.)	185
Excess %	50

7" Intermediate Casing

	<u>Lead</u>	<u>Tail</u>
	BJ Services	BJ Services
Type	III	Poz/G
Planned top	Surface	3785-ft
Density (ppg)	12.30	13.50
Yield (cf/sx)	2.34	1.50
Mix water (gal/sx)	13.26	7.20
Volume (sx)	367	243
Volume (bbls)	153	65
Volume (cu.ft.)	859	363
Excess %	55	55



Rev 3

4-1/2" Production Liner

	BJ Services
Type	Poz/G
Planned top	5012-ft
Density (ppg)	13.3
Yield (cf/sx)	1.56
Mix water (gal/sx)	7.71
Volume (sx)	631
Volume (bbls)	176
Volume (cu.ft)	986
Excess %	40

Wellhead & Pressure Control

The well head will be an 11" 5M multi-bowl system. A 3M BOPE conforming to Onshore Order #2 will be installed on the surface casing. The BOP and accumulator will meet API 16D and 16E respectively.

A PVT mud monitoring system and a trip tank will be rigged up and operational for all hole intervals. An electronic geograph will be employed to monitor and record drilling data (ROP, WOB, SPM, Pressure, RPM and torque).

Mud Program

Surface hole will be drilled with a fresh water, native mud system. In intermediate hole, a low weight 7% KCl LSND drilling fluid will be used, with KCl providing chemical stability for the young shales and clays present in the interval. In production hole a LSND system with polymer and lubricant additives is programmed. Sufficient drill water and mud additives will be on hand to maintain adequate pit volumes and maintain well control.

Hole Section	Fluid type	Interval (MD)	Density (ppg)	Funnel Viscosity	Yield Point	Fluid Loss (cc/30 min)
Surface	Fresh water spud mud	0 – 350	8.4 – 8.8	32 – 44	2 – 12	NC
Intermediate	7% KCl Low solids, non-dispersed	350 – 5303	9.0 – 9.5	38 – 45	8 – 14	<20
Production	Low solids, non-dispersed	5303 – 12523	8.8 – 9.2	34 – 38	6 – 8	6 – 8

Cores, tests and logs

Wellbore surveying: Drift (inclination only) surveys will be obtained in surface hole. MWD directional surveys will be taken in intermediate and production hole.

Logging while drilling: None in surface hole. MWD GR in intermediate and production hole.

Mud logging: a two-person mud logging unit with C1 – C4 gas analysis will be operational in intermediate and production hole.

Electric logging: No open hole electric logs are programmed. A cased hole GR/CCL will be run during completions for perforating depth control.

Cuttings and drilling fluids management

A closed loop, steel tank-based circulating system will be used. In addition to the rig solids control equipment, a dewatering centrifuge and chemical flocculation system will be operational to strip solids from the whole mud. All solids will be collected in 3-sided bins and will then be put into transports with a bucket loader. Drying agents will be used if necessary. The solids will be taken to a licensed commercial disposal facility. Whole mud will be dewatered back to drill water and used as make up for subsequent wells or hauled off for disposal. A diagram of the closed loop system is included.

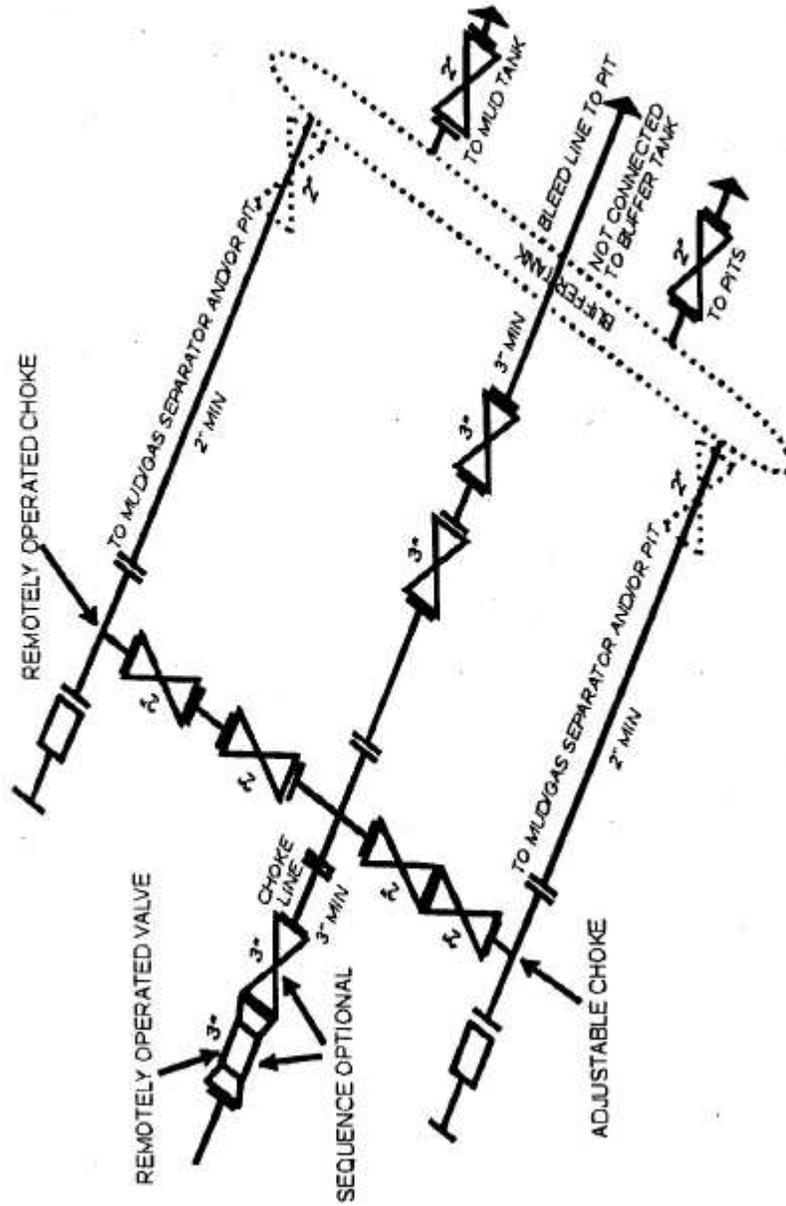
Completion

It is envisioned that this well will be completed with a multi-stage sand frac, using the plug and perf technique. After drilling out the plugs, the current plan is to install a 2-7/8" plunger-assisted gas lift tubing string. The stimulation and completion plan will be sundried at a later date.



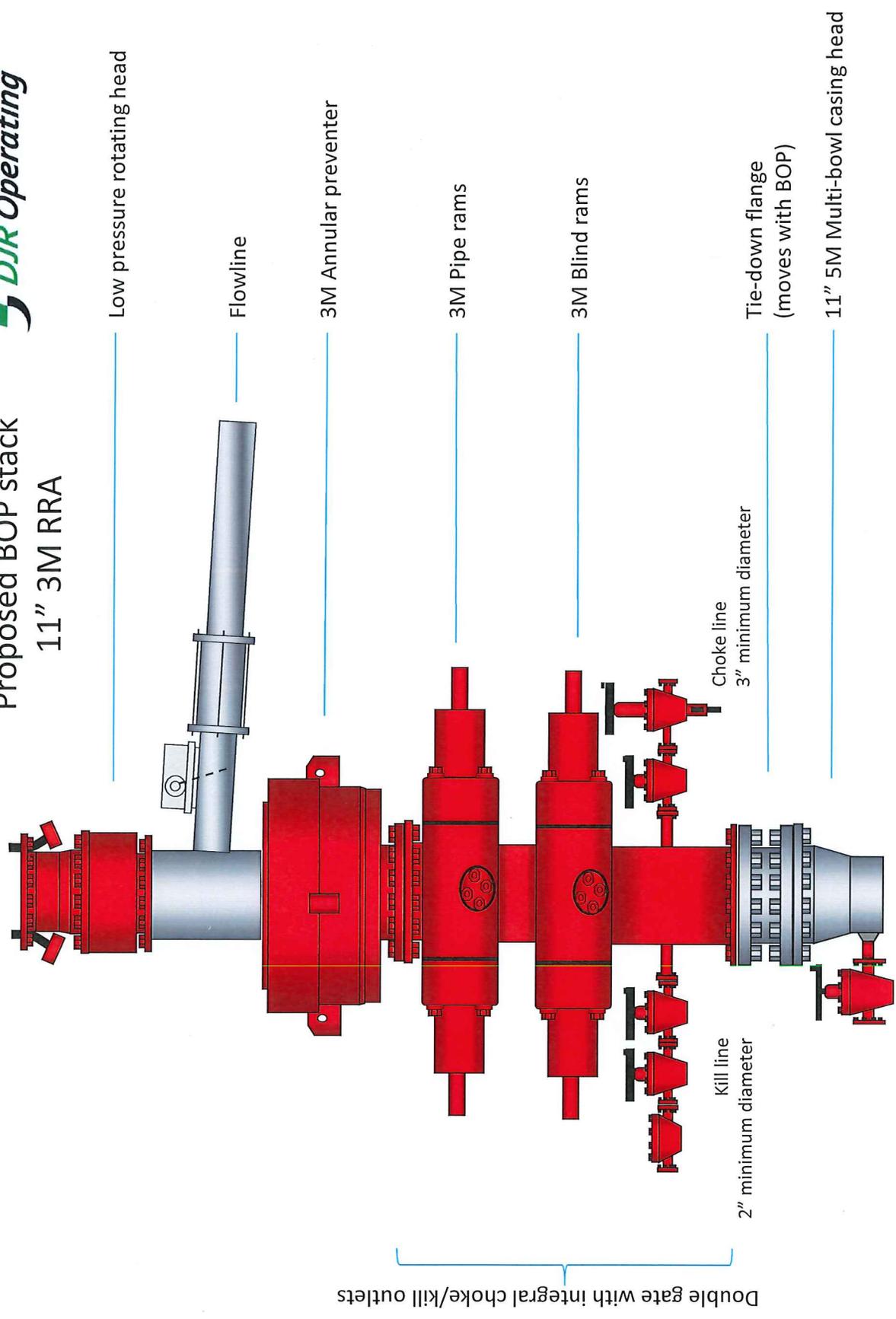
Choke Manifold

Actual system to conform with Onshore Order 2





Proposed BOP stack 11" 3M RRA





Company: DJR Operating
 Project: Proposed Carson Unit
 Site: WC 21-1 Pad
 Well: Carson #605H
 Wellbore: Original Drilling
 Design: APD Rev 3

WELL DETAILS: Carson #605H

GL 6296' & RKB 14' @ 6309.99ft

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	1961223.46	2637975.67	36.390	-108.123

DESIGN TARGET DETAILS

Time	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
605H Heel Rev 3	4816.08	985.58	622.33	1962211.17	2638600.96	36.392	-108.120
605H Toe Rev 3	4890.99	5910.45	-4890.25	1967147.63	2633403.15	36.406	-108.138

PROJECT DETAILS: Proposed Carson Unit

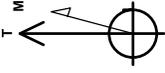
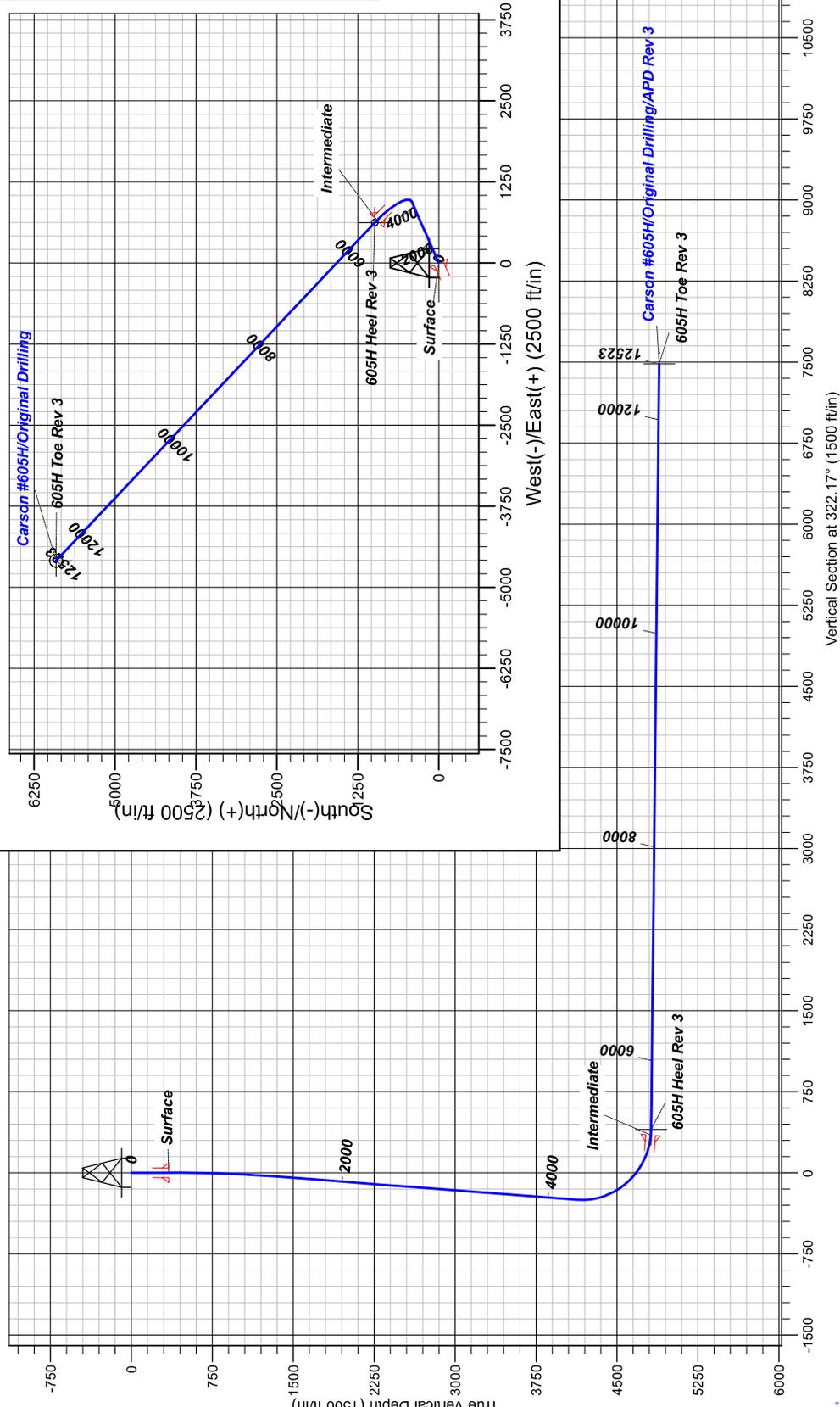
Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: New Mexico Western Zone
 System Datum: Mean Sea Level
 Local North: True

Plan: APD Rev 3 (Carson #605H/Original Drilling)

Created By: Jamie Collins Date: 15:27, June 03 2021

SECTION DETAILS

	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	445.98	0.00	0.00	445.98	0.00	0.00	0.00	0.00	0.00	
	1326.58	17.61	66.16	1312.78	54.28	122.82	2.00	66.16	-32.47	
	5265.39	67.61	89.16	4832.56	68.98	622.33	0.00	-112.00	-349.84	605H Heel Rev 3
	12622.60	89.40	313.35	4890.99	5910.45	-4590.25	0.00	0.00	7483.57	605H Toe Rev 3



Azimuths to True North
 Magnetic North: 9.6°
 Magnetic Field
 Strength: 49519 nT
 Dip Angle: 62.0°
 Date: 12/31/2019
 Model: IGRF2015

CASING DETAILS

TVD	MD	Net Depth	Surface
345.98	345.98	345.98	345.98
4813.61	5302.99	4813.61	5302.99

FORMATION DETAILS

FORMATION	MDPath
Ojo Alamo	206.00
Kirtland	355.00
Fruitland	936.00
Pictured Cliffs	1181.00
Lewis	1274.00
Chacra	1923.00
Menefee	2506.00
Point Lookout	3572.99
Mancos	3729.99
Mancos Silt	4054.99
Gallup A	4582.99
Gallup B	4647.99
Gallup C	4741.99



DJR Operating

Proposed Carson Unit

WC 21-1 Pad

Carson #605H - Slot 3

Original Drilling

Plan: APD Rev 3

Standard Planning Report

02 June, 2021





Database:	Grand Junction	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 6296' & RKB 14' @ 6310ft
Project:	Proposed Carson Unit	MD Reference:	GL 6296' & RKB 14' @ 6310ft
Site:	WC 21-1 Pad	North Reference:	True
Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 3		

Project	Proposed Carson Unit		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Western Zone		

Site	WC 21-1 Pad				
Site Position:		Northing:	1,961,183.47 usft	Latitude:	36.38943333
From:	Lat/Long	Easting:	2,637,975.67 usft	Longitude:	-108.12252222
Position Uncertainty:	0 ft	Slot Radius:	16.00 in	Grid Convergence:	-0.17 °

Well	Carson #605H - Slot 3					
Well Position	+N/-S	40 ft	Northing:	1,961,223.47 usft	Latitude:	36.38954321
	+E/-W	0 ft	Easting:	2,637,975.67 usft	Longitude:	-108.12252262
Position Uncertainty		0 ft	Wellhead Elevation:		Ground Level:	6296 ft

Wellbore	Original Drilling				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	12/31/2019	9.12	62.94	49,519.15768236

Design	APD Rev 3			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0	0	0	322.17

Plan Survey Tool Program	Date	6/2/2021		
Depth From (ft)	Depth To (ft)	Survey (Wellbore)	Tool Name	Remarks
1	0	12,523 APD Rev 3 (Original Drilling)	MWD+HDGM	
			OWSG MWD + HDGM	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	
446	0.00	0.00	446	0	0	0.00	0.00	0.00	0.00	
1327	17.61	66.16	1313	54	123	2.00	2.00	0.00	66.16	
4285	17.61	66.16	4133	416	942	0.00	0.00	0.00	0.00	
5354	89.40	313.35	4816	990	622	9.00	6.72	-10.56	-112.01	605H Heel Rev 3
12,523	89.40	313.35	4891	5910	-4590	0.00	0.00	0.00	0.00	605H Toe Rev 3



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
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Project:	Proposed Carson Unit	MD Reference:	GL 6296' & RKB 14' @ 6310ft
Site:	WC 21-1 Pad	North Reference:	True
Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 3		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0	0.00	0.00	0	0	0	0	0.00	0.00	0.00
100	0.00	0.00	100	0	0	0	0.00	0.00	0.00
200	0.00	0.00	200	0	0	0	0.00	0.00	0.00
300	0.00	0.00	300	0	0	0	0.00	0.00	0.00
400	0.00	0.00	400	0	0	0	0.00	0.00	0.00
446	0.00	0.00	446	0	0	0	0.00	0.00	0.00
500	1.08	66.16	500	0	0	0	2.00	2.00	0.00
600	3.08	66.16	600	2	4	-1	2.00	2.00	0.00
700	5.08	66.16	700	5	10	-3	2.00	2.00	0.00
800	7.08	66.16	799	9	20	-5	2.00	2.00	0.00
900	9.08	66.16	898	15	33	-9	2.00	2.00	0.00
1000	11.08	66.16	997	22	49	-13	2.00	2.00	0.00
1100	13.08	66.16	1094	30	68	-18	2.00	2.00	0.00
1200	15.08	66.16	1191	40	90	-24	2.00	2.00	0.00
1300	17.08	66.16	1287	51	116	-31	2.00	2.00	0.00
1327	17.61	66.16	1313	54	123	-32	2.00	2.00	0.00
1400	17.61	66.16	1383	63	143	-38	0.00	0.00	0.00
1500	17.61	66.16	1478	75	171	-45	0.00	0.00	0.00
1600	17.61	66.16	1573	88	198	-52	0.00	0.00	0.00
1700	17.61	66.16	1669	100	226	-60	0.00	0.00	0.00
1800	17.61	66.16	1764	112	254	-67	0.00	0.00	0.00
1900	17.61	66.16	1859	124	282	-74	0.00	0.00	0.00
2000	17.61	66.16	1955	137	309	-82	0.00	0.00	0.00
2100	17.61	66.16	2050	149	337	-89	0.00	0.00	0.00
2200	17.61	66.16	2145	161	365	-96	0.00	0.00	0.00
2300	17.61	66.16	2241	173	392	-104	0.00	0.00	0.00
2400	17.61	66.16	2336	186	420	-111	0.00	0.00	0.00
2500	17.61	66.16	2431	198	448	-118	0.00	0.00	0.00
2600	17.61	66.16	2527	210	475	-126	0.00	0.00	0.00
2700	17.61	66.16	2622	222	503	-133	0.00	0.00	0.00
2800	17.61	66.16	2717	234	531	-140	0.00	0.00	0.00
2900	17.61	66.16	2812	247	558	-148	0.00	0.00	0.00
3000	17.61	66.16	2908	259	586	-155	0.00	0.00	0.00
3100	17.61	66.16	3003	271	614	-162	0.00	0.00	0.00
3200	17.61	66.16	3098	283	641	-170	0.00	0.00	0.00
3300	17.61	66.16	3194	296	669	-177	0.00	0.00	0.00
3400	17.61	66.16	3289	308	697	-184	0.00	0.00	0.00
3500	17.61	66.16	3384	320	724	-191	0.00	0.00	0.00
3600	17.61	66.16	3480	332	752	-199	0.00	0.00	0.00
3700	17.61	66.16	3575	345	780	-206	0.00	0.00	0.00
3800	17.61	66.16	3670	357	807	-213	0.00	0.00	0.00
3900	17.61	66.16	3766	369	835	-221	0.00	0.00	0.00
4000	17.61	66.16	3861	381	863	-228	0.00	0.00	0.00
4100	17.61	66.16	3956	393	890	-235	0.00	0.00	0.00
4200	17.61	66.16	4052	406	918	-243	0.00	0.00	0.00
4285	17.61	66.16	4133	416	942	-249	0.00	0.00	0.00
4300	17.16	62.01	4147	418	946	-250	9.00	-3.08	-28.30
4400	16.66	30.76	4243	437	966	-247	9.00	-0.50	-31.25
4500	20.45	4.78	4338	467	975	-229	9.00	3.79	-25.98
4600	26.77	348.59	4429	507	972	-196	9.00	6.32	-16.19
4700	34.23	338.61	4515	555	957	-149	9.00	7.47	-9.97
4800	42.24	331.95	4594	611	931	-88	9.00	8.01	-6.66
4900	50.54	327.10	4663	673	894	-17	9.00	8.29	-4.85
5000	58.99	323.30	4721	740	847	65	9.00	8.45	-3.80



Lonestar Consulting, LLC
Planning Report



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Project:	Proposed Carson Unit	MD Reference:	GL 6296' & RKB 14' @ 6310ft
Site:	WC 21-1 Pad	North Reference:	True
Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 3		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5100	67.53	320.12	4766	810	792	154	9.00	8.54	-3.18	
5200	76.13	317.32	4797	881	729	249	9.00	8.60	-2.80	
5300	84.75	314.71	4813	952	661	347	9.00	8.63	-2.60	
5354	89.40	313.35	4816	990	622	400	9.00	8.64	-2.53	
5400	89.40	313.35	4817	1021	589	445	0.00	0.00	0.00	
5500	89.40	313.35	4818	1090	516	544	0.00	0.00	0.00	
5600	89.40	313.35	4819	1159	443	643	0.00	0.00	0.00	
5700	89.40	313.35	4820	1227	371	742	0.00	0.00	0.00	
5800	89.40	313.35	4821	1296	298	841	0.00	0.00	0.00	
5900	89.40	313.35	4822	1364	225	940	0.00	0.00	0.00	
6000	89.40	313.35	4823	1433	152	1038	0.00	0.00	0.00	
6100	89.40	313.35	4824	1502	80	1137	0.00	0.00	0.00	
6200	89.40	313.35	4825	1570	7	1236	0.00	0.00	0.00	
6300	89.40	313.35	4826	1639	-66	1335	0.00	0.00	0.00	
6400	89.40	313.35	4827	1708	-138	1434	0.00	0.00	0.00	
6500	89.40	313.35	4828	1776	-211	1532	0.00	0.00	0.00	
6600	89.40	313.35	4829	1845	-284	1631	0.00	0.00	0.00	
6700	89.40	313.35	4830	1914	-357	1730	0.00	0.00	0.00	
6800	89.40	313.35	4831	1982	-429	1829	0.00	0.00	0.00	
6900	89.40	313.35	4832	2051	-502	1928	0.00	0.00	0.00	
7000	89.40	313.35	4833	2120	-575	2026	0.00	0.00	0.00	
7100	89.40	313.35	4834	2188	-647	2125	0.00	0.00	0.00	
7200	89.40	313.35	4835	2257	-720	2224	0.00	0.00	0.00	
7300	89.40	313.35	4836	2326	-793	2323	0.00	0.00	0.00	
7400	89.40	313.35	4837	2394	-865	2422	0.00	0.00	0.00	
7500	89.40	313.35	4839	2463	-938	2521	0.00	0.00	0.00	
7600	89.40	313.35	4840	2531	-1011	2619	0.00	0.00	0.00	
7700	89.40	313.35	4841	2600	-1084	2718	0.00	0.00	0.00	
7800	89.40	313.35	4842	2669	-1156	2817	0.00	0.00	0.00	
7900	89.40	313.35	4843	2737	-1229	2916	0.00	0.00	0.00	
8000	89.40	313.35	4844	2806	-1302	3015	0.00	0.00	0.00	
8100	89.40	313.35	4845	2875	-1374	3113	0.00	0.00	0.00	
8200	89.40	313.35	4846	2943	-1447	3212	0.00	0.00	0.00	
8300	89.40	313.35	4847	3012	-1520	3311	0.00	0.00	0.00	
8400	89.40	313.35	4848	3081	-1593	3410	0.00	0.00	0.00	
8500	89.40	313.35	4849	3149	-1665	3509	0.00	0.00	0.00	
8600	89.40	313.35	4850	3218	-1738	3608	0.00	0.00	0.00	
8700	89.40	313.35	4851	3287	-1811	3706	0.00	0.00	0.00	
8800	89.40	313.35	4852	3355	-1883	3805	0.00	0.00	0.00	
8900	89.40	313.35	4853	3424	-1956	3904	0.00	0.00	0.00	
9000	89.40	313.35	4854	3492	-2029	4003	0.00	0.00	0.00	
9100	89.40	313.35	4855	3561	-2102	4102	0.00	0.00	0.00	
9200	89.40	313.35	4856	3630	-2174	4200	0.00	0.00	0.00	
9300	89.40	313.35	4857	3698	-2247	4299	0.00	0.00	0.00	
9400	89.40	313.35	4858	3767	-2320	4398	0.00	0.00	0.00	
9500	89.40	313.35	4859	3836	-2392	4497	0.00	0.00	0.00	
9600	89.40	313.35	4860	3904	-2465	4596	0.00	0.00	0.00	
9700	89.40	313.35	4861	3973	-2538	4694	0.00	0.00	0.00	
9800	89.40	313.35	4863	4042	-2611	4793	0.00	0.00	0.00	
9900	89.40	313.35	4864	4110	-2683	4892	0.00	0.00	0.00	
10,000	89.40	313.35	4865	4179	-2756	4991	0.00	0.00	0.00	
10,100	89.40	313.35	4866	4248	-2829	5090	0.00	0.00	0.00	
10,200	89.40	313.35	4867	4316	-2901	5189	0.00	0.00	0.00	
10,300	89.40	313.35	4868	4385	-2974	5287	0.00	0.00	0.00	



Lonestar Consulting, LLC
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Site:	WC 21-1 Pad	North Reference:	True
Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 3		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,400	89.40	313.35	4869	4453	-3047	5386	0.00	0.00	0.00	
10,500	89.40	313.35	4870	4522	-3120	5485	0.00	0.00	0.00	
10,600	89.40	313.35	4871	4591	-3192	5584	0.00	0.00	0.00	
10,700	89.40	313.35	4872	4659	-3265	5683	0.00	0.00	0.00	
10,800	89.40	313.35	4873	4728	-3338	5781	0.00	0.00	0.00	
10,900	89.40	313.35	4874	4797	-3410	5880	0.00	0.00	0.00	
11,000	89.40	313.35	4875	4865	-3483	5979	0.00	0.00	0.00	
11,100	89.40	313.35	4876	4934	-3556	6078	0.00	0.00	0.00	
11,200	89.40	313.35	4877	5003	-3629	6177	0.00	0.00	0.00	
11,300	89.40	313.35	4878	5071	-3701	6275	0.00	0.00	0.00	
11,400	89.40	313.35	4879	5140	-3774	6374	0.00	0.00	0.00	
11,500	89.40	313.35	4880	5209	-3847	6473	0.00	0.00	0.00	
11,600	89.40	313.35	4881	5277	-3919	6572	0.00	0.00	0.00	
11,700	89.40	313.35	4882	5346	-3992	6671	0.00	0.00	0.00	
11,800	89.40	313.35	4883	5414	-4065	6770	0.00	0.00	0.00	
11,900	89.40	313.35	4884	5483	-4138	6868	0.00	0.00	0.00	
12,000	89.40	313.35	4886	5552	-4210	6967	0.00	0.00	0.00	
12,100	89.40	313.35	4887	5620	-4283	7066	0.00	0.00	0.00	
12,200	89.40	313.35	4888	5689	-4356	7165	0.00	0.00	0.00	
12,300	89.40	313.35	4889	5758	-4428	7264	0.00	0.00	0.00	
12,400	89.40	313.35	4890	5826	-4501	7362	0.00	0.00	0.00	
12,500	89.40	313.35	4891	5895	-4574	7461	0.00	0.00	0.00	
12,523	89.40	313.35	4891	5910	-4590	7484	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
605H Heel Rev 3 - hit/miss target - Shape	0.00	0.00	4816	990	622	1,962,211.18	2,638,600.96	36.39226155	-108.12040814	
- plan hits target center - Circle (radius 50)										
605H Toe Rev 3 - plan hits target center - Circle (radius 100)	0.00	0.00	4891	5910	-4590	1,967,147.63	2,633,403.15	36.40577810	-108.13812150	

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
346	346	Surface	9.63	12.25	
5303	4814	Intermediate	7.00	8.75	



Lonestar Consulting, LLC
Planning Report



Database:	Grand Junction	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Company:	DJR Operating	TVD Reference:	GL 6296' & RKB 14' @ 6310ft
Project:	Proposed Carson Unit	MD Reference:	GL 6296' & RKB 14' @ 6310ft
Site:	WC 21-1 Pad	North Reference:	True
Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Drilling		
Design:	APD Rev 3		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
206	206	Ojo Alamo		0.00	0.00	
355	355	Kirtland		0.00	0.00	
938	936	Fruitland		0.00	0.00	
1189	1181	Pictured Cliffs		0.00	0.00	
1286	1274	Lewis		0.00	0.00	
1967	1923	Chacra		0.00	0.00	
2578	2506	Menefee		0.00	0.00	
3698	3573	Point Lookout		0.00	0.00	
3863	3730	Mancos		0.00	0.00	
4204	4055	Mancos Silt		0.00	0.00	
4785	4583	Gallup A		0.00	0.00	
4877	4648	Gallup B		0.00	0.00	
5044	4742	Gallup C		0.00	0.00	



DJR Operating

Proposed Carson Unit

WC 21-1 Pad

Carson #605H

Original Drilling

APD Rev 3

Anticollision Report

03 June, 2021





Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Reference	APD Rev 3		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 10,000.02ft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	6/3/2021		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.00	12,522.60	APD Rev 3 (Original Drilling)	MWD+HDGM	OWSG MWD + HDGM

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Summary						
Offset Well - Wellbore - Design						
WC 21-1 Pad						
Black Hill Mesa - OH - OH	10,614.12	4,825.60	839.98	540.73	2.807	CC, ES
Black Hill Mesa - OH - OH	10,700.00	4,826.49	844.36	543.36	2.805	SF
Carson #578H - Original Drilling - APD Rev 3	541.53	541.78	19.64	16.18	5.678	CC
Carson #578H - Original Drilling - APD Rev 3	700.00	700.35	20.31	15.72	4.425	ES
Carson #578H - Original Drilling - APD Rev 3	4,285.36	4,282.22	148.00	105.54	3.486	SF
Carson #582H - Original Drilling - APD Rev 3	445.98	445.98	40.00	37.21	14.343	CC, ES
Carson #582H - Original Drilling - APD Rev 3	700.00	698.92	49.26	44.71	10.816	SF
Carson #609H - Original Drilling - APD Rev 3	591.81	591.83	18.04	14.24	4.754	CC
Carson #609H - Original Drilling - APD Rev 3	600.00	600.00	18.05	14.20	4.687	ES
Carson #609H - Original Drilling - APD Rev 3	12,522.60	11,865.30	1,331.99	936.58	3.369	SF
Kelly State 7 - OH - OH	7,042.58	4,796.73	126.20	-126.10	0.500	Level 3, CC, ES, SF
New Mexico Fed B4 - OH - OH	12,481.96	4,882.56	443.76	46.77	1.118	Level 3, CC
New Mexico Fed B4 - OH - OH	12,500.00	4,882.75	444.13	46.71	1.118	Level 3, ES, SF
New Mexico Federal 3 - OH - OH	8,762.30	4,812.70	340.16	43.22	1.146	Level 3, CC, ES, SF
South Bisti 21-C - OH - OH	4,738.36	4,520.26	75.61	-73.90	0.506	Level 3, CC, SF
South Bisti 21-C - OH - OH	4,750.00	4,529.44	75.99	-73.93	0.507	Level 3, ES

Offset Design:	WC 21-1 Pad - Black Hill Mesa - OH - OH										Offset Site Error:	0.00 ft	
Survey Program:	2452-INCLINOMETER							Rule Assigned:				Offset Well Error:	0.00 ft
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning
0.00	0.00	0.00	0.00	0.00	0.00	-26.74	5,211.22	-2,625.92	5,835.61				
100.00	100.00	54.00	54.00	0.15	1.64	-26.74	5,211.22	-2,625.92	5,835.43	5,833.64	1.79	3,252.291	
200.00	200.00	154.00	154.00	0.51	4.68	-26.74	5,211.22	-2,625.92	5,835.43	5,830.24	5.19	1,124.450	
300.00	300.00	254.00	254.00	0.87	7.71	-26.74	5,211.22	-2,625.92	5,835.43	5,826.85	8.58	679.730	
400.00	400.00	354.00	354.00	1.23	10.75	-26.74	5,211.22	-2,625.92	5,835.43	5,823.45	11.98	487.087	
445.98	445.98	399.98	399.98	1.39	12.15	-26.74	5,211.22	-2,625.92	5,835.43	5,821.89	13.54	430.934	
500.00	500.00	454.00	454.00	1.59	13.79	-92.91	5,211.22	-2,625.92	5,835.46	5,820.08	15.37	379.597	
600.00	599.93	553.93	553.93	1.94	16.82	-92.94	5,211.22	-2,625.92	5,835.64	5,816.88	18.76	311.087	
700.00	699.67	653.67	653.67	2.30	19.85	-93.00	5,211.22	-2,625.92	5,836.01	5,813.87	22.14	263.538	
800.00	799.10	753.10	753.10	2.66	22.87	-93.09	5,211.22	-2,625.92	5,836.58	5,811.05	25.53	228.619	
900.00	898.10	852.10	852.10	3.04	25.88	-93.21	5,211.22	-2,625.92	5,837.36	5,808.45	28.91	201.889	
1,000.00	996.55	950.55	950.55	3.43	28.87	-93.36	5,211.22	-2,625.92	5,838.38	5,806.08	32.30	180.768	



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Black Hill Mesa - OH - OH											Offset Site Error:	0.00 ft	
Survey Program: 2452-INCLINOMETER											Offset Well Error:	0.00 ft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
1,100.00	1,094.33	1,048.33	1,048.33	3.85	31.84	-93.54	5,211.22	-2,625.92	5,839.67	5,803.98	35.68	163.655	
1,200.00	1,191.32	1,145.32	1,145.32	4.29	34.78	-93.73	5,211.22	-2,625.92	5,841.26	5,802.18	39.07	149.503	
1,300.00	1,287.41	1,241.41	1,241.41	4.77	37.70	-93.96	5,211.22	-2,625.92	5,843.19	5,800.73	42.46	137.603	
1,326.58	1,312.78	1,266.78	1,266.78	4.90	38.47	-94.02	5,211.22	-2,625.92	5,843.77	5,800.40	43.37	134.752	
1,400.00	1,382.76	1,336.76	1,336.76	5.28	40.60	-94.23	5,211.22	-2,625.92	5,845.44	5,799.58	45.87	127.445	
1,500.00	1,478.07	1,432.07	1,432.07	5.80	43.49	-94.51	5,211.22	-2,625.92	5,847.86	5,798.58	49.28	118.659	
1,600.00	1,573.38	1,527.38	1,527.38	6.34	46.38	-94.79	5,211.22	-2,625.92	5,850.43	5,797.72	52.71	110.992	
1,700.00	1,668.69	1,622.69	1,622.69	6.88	49.28	-95.07	5,211.22	-2,625.92	5,853.16	5,797.01	56.15	104.248	
1,800.00	1,764.01	1,718.01	1,718.01	7.43	52.17	-95.35	5,211.22	-2,625.92	5,856.04	5,796.45	59.59	98.274	
1,900.00	1,859.32	1,813.32	1,813.32	7.99	55.07	-95.63	5,211.22	-2,625.92	5,859.08	5,796.04	63.04	92.948	
2,000.00	1,954.63	1,908.63	1,908.63	8.55	57.96	-95.91	5,211.22	-2,625.92	5,862.27	5,795.78	66.49	88.172	
2,100.00	2,049.95	2,003.95	2,003.95	9.11	60.86	-96.19	5,211.22	-2,625.92	5,865.61	5,795.67	69.94	83.865	
2,200.00	2,145.26	2,099.26	2,099.26	9.68	63.75	-96.47	5,211.22	-2,625.92	5,869.11	5,795.72	73.40	79.963	
2,300.00	2,240.57	2,194.57	2,194.57	10.25	66.65	-96.75	5,211.22	-2,625.92	5,872.77	5,795.91	76.86	76.412	
2,400.00	2,335.88	2,289.88	2,289.88	10.82	69.54	-97.03	5,211.22	-2,625.92	5,876.58	5,796.26	80.32	73.168	
2,500.00	2,431.20	2,385.20	2,385.20	11.40	72.44	-97.31	5,211.22	-2,625.92	5,880.54	5,796.76	83.78	70.192	
2,600.00	2,526.51	2,480.51	2,480.51	11.97	75.34	-97.59	5,211.22	-2,625.92	5,884.65	5,797.40	87.25	67.449	
2,700.00	2,621.82	2,576.02	2,576.02	12.55	78.23	-97.87	5,211.22	-2,625.92	5,888.92	5,798.21	90.71	64.921	
2,800.00	2,717.13	2,671.33	2,671.13	13.13	81.12	-98.15	5,211.22	-2,625.92	5,893.34	5,799.16	94.17	62.581	
2,900.00	2,812.45	2,766.64	2,766.45	13.70	84.02	-98.43	5,211.22	-2,625.92	5,897.91	5,800.27	97.63	60.308	
3,000.00	2,907.76	2,861.95	2,861.76	14.28	86.91	-98.70	5,211.22	-2,625.92	5,902.63	5,801.53	101.10	58.485	
3,100.00	3,003.07	2,967.42	2,967.20	14.86	90.12	-99.00	5,213.50	-2,625.92	5,909.42	5,804.55	104.87	56.349	
3,200.00	3,098.39	3,076.23	3,075.99	15.45	93.42	-99.31	5,213.13	-2,625.92	5,914.16	5,805.42	108.74	54.386	
3,300.00	3,193.70	3,184.96	3,184.72	16.03	96.72	-99.63	5,212.46	-2,625.92	5,918.85	5,806.23	112.61	52.558	
3,400.00	3,289.01	3,293.63	3,293.37	16.61	100.02	-99.95	5,211.49	-2,625.92	5,923.47	5,806.98	116.48	50.853	
3,500.00	3,384.32	3,338.87	3,338.32	17.19	101.40	-100.08	5,211.22	-2,625.92	5,928.50	5,810.07	118.43	50.061	
3,600.00	3,479.64	3,434.19	3,433.64	17.77	104.29	-100.36	5,211.22	-2,625.92	5,934.12	5,812.23	121.89	48.685	
3,700.00	3,574.95	3,529.50	3,528.95	18.36	107.19	-100.63	5,211.22	-2,625.92	5,939.89	5,814.54	125.35	47.386	
3,800.00	3,670.26	3,624.81	3,624.26	18.94	110.08	-100.90	5,211.22	-2,625.92	5,945.81	5,817.00	128.81	46.159	
3,900.00	3,765.57	3,720.12	3,719.57	19.52	112.97	-101.18	5,211.22	-2,625.92	5,951.88	5,819.61	132.27	44.997	
4,000.00	3,860.89	3,815.44	3,814.89	20.11	115.87	-101.45	5,211.22	-2,625.92	5,958.10	5,822.36	135.73	43.895	
4,100.00	3,956.20	3,910.75	3,910.20	20.69	118.76	-101.72	5,211.22	-2,625.92	5,964.46	5,825.27	139.19	42.850	
4,200.00	4,051.51	4,006.06	4,005.51	21.28	121.66	-101.99	5,211.22	-2,625.92	5,970.97	5,828.32	142.65	41.856	
4,285.36	4,132.87	4,087.42	4,086.87	21.78	124.13	-102.23	5,211.22	-2,625.92	5,976.64	5,831.04	145.61	41.047	
4,300.00	4,146.84	4,101.39	4,100.84	21.86	124.55	-98.32	5,211.22	-2,625.92	5,977.46	5,831.35	146.11	40.910	
4,350.00	4,194.75	4,149.30	4,148.75	22.13	126.01	-83.71	5,211.22	-2,625.92	5,977.78	5,829.94	147.83	40.436	
4,400.00	4,242.72	4,197.27	4,196.72	22.38	127.46	-68.57	5,211.22	-2,625.92	5,974.25	5,824.71	149.54	39.951	
4,450.00	4,290.45	4,245.00	4,244.45	22.60	128.91	-54.93	5,211.22	-2,625.92	5,966.92	5,815.70	151.22	39.459	
4,500.00	4,337.66	4,292.21	4,291.66	22.79	130.35	-43.84	5,211.22	-2,625.92	5,955.80	5,802.94	152.86	38.963	
4,550.00	4,384.05	4,338.60	4,338.05	22.96	131.76	-35.24	5,211.22	-2,625.92	5,940.97	5,786.51	154.45	38.464	
4,600.00	4,429.34	4,383.89	4,383.34	23.11	133.13	-28.64	5,211.22	-2,625.92	5,922.51	5,766.51	156.00	37.966	
4,650.00	4,473.25	4,427.80	4,427.25	23.24	134.46	-23.48	5,211.22	-2,625.92	5,900.53	5,743.05	157.48	37.469	
4,700.00	4,515.50	4,470.05	4,469.50	23.36	135.75	-19.35	5,211.22	-2,625.92	5,875.16	5,716.27	158.89	36.976	
4,750.00	4,555.84	4,510.39	4,509.84	23.46	136.97	-15.92	5,211.22	-2,625.92	5,846.56	5,686.32	160.23	36.488	
4,800.00	4,594.01	4,548.56	4,548.01	23.54	138.13	-12.95	5,211.22	-2,625.92	5,814.89	5,653.40	161.49	36.007	
4,850.00	4,629.79	4,584.34	4,583.79	23.62	139.22	-10.26	5,211.22	-2,625.92	5,780.35	5,617.68	162.67	35.535	
4,900.00	4,662.95	4,617.50	4,616.95	23.68	140.22	-7.68	5,211.22	-2,625.92	5,743.15	5,579.40	163.75	35.074	
4,950.00	4,693.28	4,647.83	4,647.28	23.73	141.15	-5.06	5,211.22	-2,625.92	5,703.51	5,538.78	164.73	34.624	
5,000.00	4,720.61	4,675.16	4,674.61	23.77	141.98	-2.21	5,211.22	-2,625.92	5,661.68	5,496.07	165.61	34.188	
5,050.00	4,744.76	4,699.31	4,698.76	23.80	142.71	1.13	5,211.22	-2,625.92	5,617.91	5,451.53	166.38	33.766	
5,100.00	4,765.58	4,720.13	4,719.58	23.83	143.34	5.34	5,211.22	-2,625.92	5,572.48	5,405.44	167.04	33.361	
5,150.00	4,782.94	4,737.49	4,736.94	23.85	143.87	11.11	5,211.22	-2,625.92	5,525.66	5,358.07	167.58	32.973	



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Black Hill Mesa - OH - OH													Offset Site Error:	0.00 ft		
Survey Program: 2452-INCLINOMETER													Rule Assigned:		Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis		Highside		Distance		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
5,200.00	4,796.74	4,751.29	4,750.74	23.88	144.29	19.71	5,211.22	-2,625.92	5,477.74	5,309.73	168.01	32.603				
5,250.00	4,806.90	4,761.45	4,760.90	23.91	144.60	33.52	5,211.22	-2,625.92	5,429.03	5,260.71	168.33	32.253				
5,300.00	4,813.34	4,767.89	4,767.34	23.97	144.79	55.67	5,211.22	-2,625.92	5,379.83	5,211.31	168.52	31.924				
5,353.81	4,816.08	4,770.63	4,770.08	24.10	144.87	86.26	5,211.22	-2,625.92	5,326.67	5,158.07	168.60	31.594				
5,400.00	4,816.56	4,771.11	4,770.56	24.37	144.89	86.29	5,211.22	-2,625.92	5,281.07	5,112.46	168.61	31.321				
5,500.00	4,817.61	4,772.16	4,771.61	25.60	144.92	86.36	5,211.22	-2,625.92	5,182.37	5,013.73	168.64	30.731				
5,600.00	4,818.65	4,773.20	4,772.65	27.30	144.95	86.43	5,211.22	-2,625.92	5,083.72	4,915.05	168.68	30.139				
5,700.00	4,819.70	4,774.25	4,773.70	29.20	144.98	86.50	5,211.22	-2,625.92	4,985.13	4,816.40	168.73	29.545				
5,800.00	4,820.74	4,775.29	4,774.74	31.21	145.02	86.57	5,211.22	-2,625.92	4,886.59	4,717.80	168.79	28.950				
5,900.00	4,821.79	4,776.34	4,775.79	33.32	145.05	86.64	5,211.22	-2,625.92	4,788.12	4,619.25	168.87	28.354				
6,000.00	4,822.83	4,777.38	4,776.83	35.50	145.08	86.72	5,211.22	-2,625.92	4,689.71	4,520.74	168.96	27.756				
6,100.00	4,823.88	4,778.43	4,777.88	37.74	145.11	86.79	5,211.22	-2,625.92	4,591.37	4,422.29	169.07	27.156				
6,200.00	4,824.92	4,779.47	4,778.92	40.03	145.14	86.86	5,211.22	-2,625.92	4,493.10	4,323.89	169.21	26.554				
6,300.00	4,825.97	4,780.52	4,779.97	42.36	145.17	86.93	5,211.22	-2,625.92	4,394.90	4,225.55	169.36	25.951				
6,400.00	4,827.01	4,781.56	4,781.01	44.73	145.21	87.00	5,211.22	-2,625.92	4,296.80	4,127.26	169.53	25.345				
6,500.00	4,828.06	4,782.61	4,782.06	47.12	145.24	87.07	5,211.22	-2,625.92	4,198.78	4,029.04	169.73	24.737				
6,600.00	4,829.10	4,783.65	4,783.10	49.54	145.27	87.14	5,211.22	-2,625.92	4,100.85	3,930.89	169.97	24.128				
6,700.00	4,830.15	4,784.70	4,784.15	51.98	145.30	87.21	5,211.22	-2,625.92	4,003.03	3,832.80	170.23	23.516				
6,800.00	4,831.19	4,785.74	4,785.19	54.44	145.33	87.28	5,211.22	-2,625.92	3,905.32	3,734.79	170.53	22.902				
6,900.00	4,832.24	4,786.79	4,786.24	56.91	145.37	87.35	5,211.22	-2,625.92	3,807.72	3,636.86	170.86	22.285				
7,000.00	4,833.28	4,787.83	4,787.28	59.40	145.40	87.43	5,211.22	-2,625.92	3,710.26	3,539.01	171.24	21.666				
7,100.00	4,834.33	4,788.88	4,788.33	61.90	145.43	87.50	5,211.22	-2,625.92	3,612.93	3,441.26	171.67	21.045				
7,200.00	4,835.37	4,789.92	4,789.37	64.41	145.46	87.57	5,211.22	-2,625.92	3,515.75	3,343.60	172.15	20.422				
7,300.00	4,836.42	4,790.97	4,790.42	66.93	145.49	87.64	5,211.22	-2,625.92	3,418.74	3,246.05	172.69	19.797				
7,400.00	4,837.46	4,792.01	4,791.46	69.46	145.52	87.71	5,211.22	-2,625.92	3,321.90	3,148.61	173.29	19.169				
7,500.00	4,838.51	4,793.06	4,792.51	72.00	145.56	87.78	5,211.22	-2,625.92	3,225.25	3,051.29	173.96	18.540				
7,600.00	4,839.55	4,794.10	4,793.55	74.54	145.59	87.85	5,211.22	-2,625.92	3,128.82	2,954.11	174.71	17.909				
7,700.00	4,840.60	4,795.15	4,794.60	77.09	145.62	87.92	5,211.22	-2,625.92	3,032.61	2,857.07	175.54	17.276				
7,800.00	4,841.64	4,796.19	4,795.64	79.65	145.65	88.00	5,211.22	-2,625.92	2,936.66	2,760.20	176.47	16.641				
7,900.00	4,842.69	4,797.24	4,796.69	82.21	145.68	88.07	5,211.22	-2,625.92	2,840.99	2,663.50	177.49	16.006				
8,000.00	4,843.73	4,798.28	4,797.73	84.78	145.71	88.14	5,211.22	-2,625.92	2,745.63	2,566.99	178.63	15.370				
8,100.00	4,844.78	4,799.33	4,798.78	87.35	145.75	88.21	5,211.22	-2,625.92	2,650.60	2,470.71	179.89	14.734				
8,200.00	4,845.82	4,800.37	4,799.82	89.92	145.78	88.28	5,211.22	-2,625.92	2,555.96	2,374.67	181.29	14.099				
8,300.00	4,846.87	4,801.42	4,800.87	92.50	145.81	88.35	5,211.22	-2,625.92	2,461.74	2,278.90	182.84	13.464				
8,400.00	4,847.91	4,802.46	4,801.91	95.08	145.84	88.42	5,211.22	-2,625.92	2,367.99	2,183.44	184.55	12.831				
8,500.00	4,848.96	4,803.51	4,802.96	97.66	145.87	88.49	5,211.22	-2,625.92	2,274.77	2,088.33	186.44	12.201				
8,600.00	4,850.00	4,804.55	4,804.00	100.25	145.90	88.56	5,211.22	-2,625.92	2,182.16	1,993.62	188.54	11.574				
8,700.00	4,851.05	4,805.60	4,805.05	102.84	145.94	88.64	5,211.22	-2,625.92	2,090.22	1,899.36	190.86	10.952				
8,800.00	4,852.09	4,806.64	4,806.09	105.43	145.97	88.71	5,211.22	-2,625.92	1,999.06	1,805.63	193.43	10.335				
8,900.00	4,853.14	4,807.68	4,807.14	108.03	146.00	88.78	5,211.22	-2,625.92	1,908.79	1,712.50	196.28	9.725				
9,000.00	4,854.18	4,808.73	4,808.18	110.62	146.03	88.85	5,211.22	-2,625.92	1,819.53	1,620.09	199.44	9.123				
9,100.00	4,855.22	4,809.77	4,809.22	113.22	146.06	88.92	5,211.22	-2,625.92	1,731.44	1,528.50	202.94	8.532				
9,200.00	4,856.27	4,810.82	4,810.27	115.82	146.09	88.99	5,211.22	-2,625.92	1,644.72	1,437.89	206.83	7.952				
9,300.00	4,857.31	4,811.86	4,811.31	118.42	146.13	89.06	5,211.22	-2,625.92	1,559.58	1,348.45	211.13	7.387				
9,400.00	4,858.36	4,812.91	4,812.36	121.03	146.16	89.13	5,211.22	-2,625.92	1,476.31	1,260.40	215.91	6.838				
9,500.00	4,859.40	4,813.95	4,813.40	123.63	146.19	89.21	5,211.22	-2,625.92	1,395.24	1,174.05	221.20	6.308				
9,600.00	4,860.45	4,815.00	4,814.45	126.24	146.22	89.28	5,211.22	-2,625.92	1,316.78	1,089.74	227.04	5.800				
9,700.00	4,861.49	4,816.04	4,815.49	128.85	146.25	89.35	5,211.22	-2,625.92	1,241.41	1,007.95	233.46	5.317				
9,800.00	4,862.54	4,817.09	4,816.54	131.45	146.29	89.42	5,211.22	-2,625.92	1,169.74	929.26	240.48	4.864				
9,900.00	4,863.58	4,818.13	4,817.58	134.06	146.32	89.49	5,211.22	-2,625.92	1,102.49	854.42	248.07	4.444				
10,000.00	4,864.63	4,819.18	4,818.63	136.68	146.35	89.56	5,211.22	-2,625.92	1,040.52	784.37	256.15	4.062				
10,100.00	4,865.67	4,820.22	4,819.67	139.29	146.38	89.63	5,211.22	-2,625.92	984.82	720.27	264.55	3.723				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Black Hill Mesa - OH - OH													Offset Site Error:	0.00 ft	
Survey Program: 2452-INCLINOMETER													Offset Well Error:		0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
10,200.00	4,866.72	4,821.27	4,820.72	141.90	146.41	89.70	5,211.22	-2,625.92	936.51	663.49	273.02	3.430			
10,300.00	4,867.76	4,822.31	4,821.76	144.51	146.44	89.78	5,211.22	-2,625.92	896.79	615.62	281.18	3.189			
10,400.00	4,868.81	4,823.36	4,822.81	147.13	146.48	89.85	5,211.22	-2,625.92	866.84	578.31	288.53	3.004			
10,500.00	4,869.85	4,824.40	4,823.85	149.74	146.51	89.92	5,211.22	-2,625.92	847.70	553.14	294.56	2.878			
10,600.00	4,870.90	4,825.45	4,824.90	152.36	146.54	89.99	5,211.22	-2,625.92	840.10	541.29	298.81	2.811			
10,614.12	4,871.05	4,825.60	4,825.05	152.73	146.54	90.00	5,211.22	-2,625.92	839.98	540.73	299.25	2.807	CC, ES		
10,700.00	4,871.94	4,826.49	4,825.94	154.98	146.57	90.06	5,211.22	-2,625.92	844.36	543.36	301.00	2.805	SF		
10,800.00	4,872.99	4,827.54	4,826.99	157.60	146.60	90.13	5,211.22	-2,625.92	860.30	559.20	301.10	2.857			
10,900.00	4,874.03	4,828.58	4,828.03	160.21	146.63	90.20	5,211.22	-2,625.92	887.29	587.98	299.32	2.964			
11,000.00	4,875.08	4,829.63	4,829.08	162.83	146.67	90.28	5,211.22	-2,625.92	924.37	628.33	296.04	3.122			
11,100.00	4,876.12	4,830.67	4,830.12	165.45	146.70	90.35	5,211.22	-2,625.92	970.37	678.65	291.72	3.326			
11,200.00	4,877.17	4,831.72	4,831.17	168.07	146.73	90.42	5,211.22	-2,625.92	1,024.11	737.34	286.77	3.571			
11,300.00	4,878.21	4,832.76	4,832.21	170.69	146.76	90.49	5,211.22	-2,625.92	1,084.41	802.89	281.52	3.852			
11,400.00	4,879.26	4,833.81	4,833.26	173.32	146.79	90.56	5,211.22	-2,625.92	1,150.27	874.03	276.24	4.164			
11,500.00	4,880.30	4,834.85	4,834.30	175.94	146.82	90.63	5,211.22	-2,625.92	1,220.77	949.68	271.08	4.503			
11,600.00	4,881.35	4,835.90	4,835.35	178.56	146.86	90.70	5,211.22	-2,625.92	1,295.15	1,028.99	266.16	4.866			
11,700.00	4,882.39	4,836.94	4,836.39	181.18	146.89	90.77	5,211.22	-2,625.92	1,372.80	1,111.27	261.53	5.249			
11,800.00	4,883.44	4,837.99	4,837.44	183.81	146.92	90.85	5,211.22	-2,625.92	1,453.18	1,195.97	257.21	5.650			
11,900.00	4,884.48	4,839.03	4,838.48	186.43	146.95	90.92	5,211.22	-2,625.92	1,535.86	1,282.66	253.20	6.066			
12,000.00	4,885.53	4,840.08	4,839.53	189.05	146.98	90.99	5,211.22	-2,625.92	1,620.50	1,370.99	249.51	6.495			
12,100.00	4,886.57	4,841.12	4,840.57	191.68	147.01	91.06	5,211.22	-2,625.92	1,706.80	1,460.70	246.10	6.935			
12,200.00	4,887.62	4,842.17	4,841.62	194.30	147.05	91.13	5,211.22	-2,625.92	1,794.52	1,551.56	242.96	7.386			
12,300.00	4,888.66	4,843.21	4,842.66	196.93	147.08	91.20	5,211.22	-2,625.92	1,883.47	1,643.40	240.07	7.845			
12,400.00	4,889.71	4,844.26	4,843.71	199.56	147.11	91.27	5,211.22	-2,625.92	1,973.47	1,736.06	237.41	8.312			
12,500.00	4,890.75	4,845.30	4,844.75	202.18	147.14	91.34	5,211.22	-2,625.92	2,064.39	1,829.44	234.96	8.786			
12,522.60	4,890.99	4,845.54	4,844.99	202.77	147.15	91.36	5,211.22	-2,625.92	2,085.06	1,850.63	234.43	8.894			



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #578H - Original Drilling - APD Rev 3													Offset Site Error:	0.00 ft		
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft		
Reference				Offset			Semi Major Axis		Offset Wellbore Centre		Distance			Rule Assigned:		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
0.00	0.00	0.00	0.00	0.00	0.00	179.83	-20.00	0.06	20.00							
100.00	100.00	100.00	100.00	0.15	0.15	179.83	-20.00	0.06	20.00	19.69	0.31	64.875				
200.00	200.00	200.00	200.00	0.51	0.51	179.83	-20.00	0.06	20.00	18.97	1.03	19.508				
300.00	300.00	300.00	300.00	0.87	0.87	179.83	-20.00	0.06	20.00	18.26	1.74	11.480				
400.00	400.00	400.01	400.01	1.23	1.23	179.82	-20.00	0.06	20.00	17.54	2.46	8.133				
445.98	445.98	446.08	446.07	1.39	1.39	178.62	-19.87	0.48	19.87	17.09	2.78	7.137				
500.00	500.00	500.19	500.17	1.59	1.58	109.77	-19.42	1.87	19.68	16.52	3.16	6.220				
541.53	541.52	541.78	541.71	1.73	1.73	107.61	-18.87	3.59	19.64	16.18	3.46	5.678 CC				
600.00	599.93	600.30	600.13	1.94	1.94	104.48	-17.79	7.00	19.73	15.86	3.87	5.096				
700.00	699.67	700.35	699.78	2.30	2.30	99.13	-15.10	15.45	20.31	15.72	4.59	4.425 ES				
800.00	799.10	800.33	798.99	2.66	2.67	94.09	-11.35	27.21	21.44	16.11	5.33	4.023				
900.00	898.10	900.25	897.65	3.04	3.06	89.63	-6.56	42.24	23.08	16.99	6.09	3.790				
1,000.00	996.55	1,000.09	995.62	3.43	3.47	85.89	-0.74	60.53	25.21	18.33	6.89	3.661				
1,100.00	1,094.33	1,099.86	1,092.80	3.85	3.90	82.88	6.11	82.04	27.80	20.07	7.72	3.599				
1,200.00	1,191.32	1,199.55	1,189.06	4.29	4.36	80.54	13.98	106.74	30.79	22.19	8.61	3.577				
1,300.00	1,287.41	1,299.18	1,284.29	4.77	4.86	78.78	22.86	134.60	34.18	24.62	9.56	3.577				
1,326.58	1,312.78	1,325.64	1,309.41	4.90	5.00	78.39	25.38	142.53	35.14	25.32	9.82	3.579				
1,400.00	1,382.76	1,398.99	1,378.89	5.28	5.40	77.31	32.51	164.92	37.88	27.31	10.56	3.586				
1,500.00	1,478.07	1,498.92	1,473.55	5.80	5.96	76.07	42.23	195.43	41.62	30.02	11.60	3.588				
1,600.00	1,573.38	1,598.84	1,568.21	6.34	6.53	75.03	51.95	225.94	45.39	32.73	12.66	3.586				
1,700.00	1,668.69	1,698.77	1,662.86	6.88	7.10	74.15	61.67	256.45	49.16	35.44	13.72	3.582				
1,800.00	1,764.01	1,798.69	1,757.52	7.43	7.69	73.40	71.39	286.96	52.95	38.15	14.80	3.577				
1,900.00	1,859.32	1,898.62	1,852.18	7.99	8.28	72.74	81.10	317.47	56.74	40.85	15.89	3.571				
2,000.00	1,954.63	1,998.55	1,946.83	8.55	8.87	72.17	90.82	347.98	60.54	43.56	16.98	3.565				
2,100.00	2,049.95	2,098.47	2,041.49	9.11	9.47	71.67	100.54	378.49	64.34	46.27	18.08	3.559				
2,200.00	2,145.26	2,198.40	2,136.15	9.68	10.07	71.22	110.26	409.00	68.15	48.98	19.18	3.554				
2,300.00	2,240.57	2,298.32	2,230.81	10.25	10.68	70.82	119.98	439.51	71.97	51.68	20.28	3.548				
2,400.00	2,335.88	2,398.25	2,325.46	10.82	11.28	70.46	129.69	470.02	75.78	54.39	21.39	3.543				
2,500.00	2,431.20	2,498.18	2,420.12	11.40	11.89	70.13	139.41	500.53	79.60	57.10	22.50	3.538				
2,600.00	2,526.51	2,598.10	2,514.78	11.97	12.50	69.84	149.13	531.04	83.42	59.81	23.61	3.534				
2,700.00	2,621.82	2,698.03	2,609.43	12.55	13.11	69.57	158.85	561.54	87.25	62.53	24.72	3.529				
2,800.00	2,717.13	2,797.95	2,704.09	13.13	13.72	69.32	168.57	592.05	91.07	65.24	25.83	3.525				
2,900.00	2,812.45	2,897.88	2,798.75	13.70	14.33	69.10	178.28	622.56	94.90	67.95	26.95	3.521				
3,000.00	2,907.76	2,997.81	2,893.41	14.28	14.95	68.89	188.00	653.07	98.73	70.66	28.07	3.518				
3,100.00	3,003.07	3,097.73	2,988.06	14.86	15.56	68.69	197.72	683.58	102.55	73.37	29.18	3.514				
3,200.00	3,098.39	3,197.66	3,082.72	15.45	16.18	68.51	207.44	714.09	106.38	76.08	30.30	3.511				
3,300.00	3,193.70	3,297.59	3,177.38	16.03	16.79	68.35	217.16	744.60	110.22	78.80	31.42	3.508				
3,400.00	3,289.01	3,397.51	3,272.03	16.61	17.41	68.19	226.87	775.11	114.05	81.51	32.54	3.505				
3,500.00	3,384.32	3,497.44	3,366.69	17.19	18.02	68.04	236.59	805.62	117.88	84.22	33.66	3.502				
3,600.00	3,479.64	3,597.36	3,461.35	17.77	18.64	67.91	246.31	836.13	121.71	86.94	34.78	3.500				
3,700.00	3,574.95	3,697.29	3,556.00	18.36	19.26	67.78	256.03	866.64	125.55	89.65	35.90	3.498				
3,800.00	3,670.26	3,797.22	3,650.66	18.94	19.87	67.66	265.75	897.15	129.38	92.37	37.02	3.495				
3,900.00	3,765.57	3,897.14	3,745.32	19.52	20.49	67.54	275.47	927.66	133.22	95.08	38.14	3.493				
4,000.00	3,860.89	3,997.07	3,839.98	20.11	21.11	67.44	285.18	958.17	137.05	97.80	39.26	3.491				
4,100.00	3,956.20	4,096.99	3,934.63	20.69	21.73	67.33	294.90	988.68	140.89	100.51	40.38	3.489				
4,200.00	4,051.51	4,196.92	4,029.29	21.28	22.35	67.24	304.62	1,019.19	144.73	103.22	41.50	3.487				
4,285.36	4,132.87	4,282.22	4,110.09	21.78	22.88	67.16	312.91	1,045.23	148.00	105.54	42.46	3.486 SF				
4,300.00	4,146.84	4,296.84	4,123.94	21.86	22.97	71.10	314.34	1,049.69	148.73	106.11	42.62	3.489				
4,350.00	4,194.75	4,346.57	4,171.05	22.13	23.27	85.82	319.17	1,064.88	153.75	110.58	43.18	3.561				
4,400.00	4,242.72	4,395.76	4,217.64	22.38	23.58	101.01	323.96	1,079.90	162.66	118.95	43.72	3.721				
4,450.00	4,290.45	4,444.10	4,263.43	22.60	23.88	114.66	328.66	1,094.65	175.40	131.17	44.24	3.965				
4,500.00	4,337.66	4,484.91	4,302.04	22.79	24.14	125.71	332.38	1,107.35	192.35	147.72	44.63	4.310				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #578H - Original Drilling - APD Rev 3													Offset Site Error:	0.00 ft	
Survey Program: 0-MWD+HDGM													Offset Well Error:		0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
4,550.00	4,384.05	4,518.60	4,333.59	22.96	24.36	134.19	334.22	1,119.00	215.19	170.37	44.82	4.801			
4,600.00	4,429.34	4,550.00	4,362.64	23.11	24.58	140.61	334.79	1,130.92	243.56	198.62	44.94	5.420			
4,650.00	4,473.25	4,575.40	4,385.82	23.24	24.77	145.48	334.44	1,141.28	276.76	231.87	44.89	6.166			
4,700.00	4,515.50	4,600.00	4,407.97	23.36	24.96	149.21	333.41	1,151.93	314.11	269.22	44.89	6.998			
4,750.00	4,555.84	4,617.04	4,423.13	23.46	25.10	152.10	332.30	1,159.64	354.90	310.19	44.71	7.938			
4,800.00	4,594.01	4,632.39	4,436.63	23.54	25.22	154.34	331.02	1,166.81	398.52	353.92	44.60	8.935			
4,850.00	4,629.79	4,650.00	4,451.95	23.62	25.37	156.10	329.23	1,175.32	444.41	399.71	44.70	9.941			
4,900.00	4,662.95	4,650.00	4,451.95	23.68	25.37	157.30	329.23	1,175.32	491.89	447.60	44.29	11.106			
4,950.00	4,693.28	4,650.00	4,451.95	23.73	25.37	157.89	329.23	1,175.32	540.75	496.73	44.02	12.284			
5,000.00	4,720.61	4,663.16	4,463.26	23.77	25.48	157.75	327.66	1,181.85	590.10	545.78	44.32	13.315			
5,050.00	4,744.76	4,664.59	4,464.49	23.80	25.49	144.66	327.48	1,182.57	640.01	595.69	44.31	14.443			
5,100.00	4,765.58	4,664.03	4,464.01	23.83	25.49	-13.47	327.55	1,182.29	689.98	645.65	44.34	15.562			
5,150.00	4,782.94	4,650.00	4,451.95	23.85	25.37	-15.59	329.23	1,175.32	739.92	695.86	44.06	16.792			
5,200.00	4,796.74	4,650.00	4,451.95	23.88	25.37	-15.76	329.23	1,175.32	789.05	744.80	44.26	17.829			
5,250.00	4,806.90	4,650.00	4,451.95	23.91	25.37	-15.76	329.23	1,175.32	837.48	792.99	44.49	18.823			
5,300.00	4,813.34	4,650.00	4,451.95	23.97	25.37	-15.76	329.23	1,175.32	885.05	840.29	44.75	19.776			
5,353.81	4,816.08	4,650.00	4,451.95	24.10	25.37	-15.81	329.23	1,175.32	935.12	890.07	45.06	20.755			
5,400.00	4,816.56	4,630.25	4,434.76	24.37	25.21	-15.84	331.21	1,165.80	977.22	932.30	44.92	21.754			
5,500.00	4,817.61	4,600.00	4,407.97	25.60	24.96	-15.88	333.41	1,151.93	1,069.80	1,024.92	44.88	23.838			
5,600.00	4,818.65	4,600.00	4,407.97	27.30	24.96	-15.88	333.41	1,151.93	1,162.61	1,117.30	45.31	25.658			
5,700.00	4,819.70	4,600.00	4,407.97	29.20	24.96	-15.88	333.41	1,151.93	1,256.52	1,210.87	45.65	27.526			
5,800.00	4,820.74	4,579.44	4,389.48	31.21	24.80	-15.90	334.32	1,142.99	1,350.82	1,305.17	45.65	29.591			
5,900.00	4,821.79	4,569.60	4,380.55	33.32	24.73	-15.91	334.59	1,138.86	1,445.75	1,399.99	45.77	31.590			
6,000.00	4,822.83	4,550.00	4,362.64	35.50	24.58	-15.93	334.79	1,130.92	1,541.27	1,495.52	45.75	33.691			
6,100.00	4,823.88	4,550.00	4,362.64	37.74	24.58	-15.93	334.79	1,130.92	1,636.93	1,591.00	45.93	35.641			
6,200.00	4,824.92	4,550.00	4,362.64	40.03	24.58	-15.93	334.79	1,130.92	1,733.08	1,687.00	46.08	37.611			
6,300.00	4,825.97	4,550.00	4,362.64	42.36	24.58	-15.93	334.79	1,130.92	1,829.65	1,783.44	46.21	39.597			
6,400.00	4,827.01	4,550.00	4,362.64	44.73	24.58	-15.93	334.79	1,130.92	1,926.57	1,880.25	46.32	41.596			
6,500.00	4,828.06	4,525.48	4,339.99	47.12	24.41	-15.96	334.44	1,121.53	2,023.16	1,976.95	46.21	43.781			
6,600.00	4,829.10	4,519.93	4,334.83	49.54	24.37	-15.96	334.27	1,119.48	2,120.33	2,074.07	46.26	45.836			
6,700.00	4,830.15	4,500.00	4,316.22	51.98	24.23	-15.98	333.36	1,112.42	2,217.92	2,171.73	46.19	48.015			
6,800.00	4,831.19	4,500.00	4,316.22	54.44	24.23	-15.98	333.36	1,112.42	2,315.34	2,269.07	46.27	50.038			
6,900.00	4,832.24	4,500.00	4,316.22	56.91	24.23	-15.98	333.36	1,112.42	2,412.98	2,366.63	46.34	52.067			
7,000.00	4,833.28	4,500.00	4,316.22	59.40	24.23	-15.98	333.36	1,112.42	2,510.80	2,464.39	46.41	54.103			
7,100.00	4,834.33	4,500.00	4,316.22	61.90	24.23	-15.98	333.36	1,112.42	2,608.78	2,562.32	46.47	56.143			
7,200.00	4,835.37	4,500.00	4,316.22	64.41	24.23	-15.98	333.36	1,112.42	2,706.92	2,660.39	46.52	58.187			
7,300.00	4,836.42	4,500.00	4,316.22	66.93	24.23	-15.98	333.36	1,112.42	2,805.18	2,758.61	46.57	60.235			
7,400.00	4,837.46	4,500.00	4,316.22	69.46	24.23	-15.98	333.36	1,112.42	2,903.56	2,856.94	46.62	62.284			
7,500.00	4,838.51	4,483.39	4,300.60	72.00	24.13	-16.00	332.26	1,106.86	3,001.79	2,955.22	46.57	64.460			
7,600.00	4,839.55	4,480.39	4,297.78	74.54	24.11	-16.00	332.03	1,105.88	3,100.27	3,053.68	46.60	66.535			
7,700.00	4,840.60	4,463.80	4,282.10	77.09	24.00	-16.01	330.57	1,100.67	3,199.02	3,152.47	46.55	68.723			
7,800.00	4,841.64	4,463.80	4,282.10	79.65	24.00	-16.01	330.57	1,100.67	3,297.59	3,251.00	46.59	70.776			
7,900.00	4,842.69	4,463.80	4,282.10	82.21	24.00	-16.01	330.57	1,100.67	3,396.25	3,349.61	46.63	72.830			
8,000.00	4,843.73	4,463.80	4,282.10	84.78	24.00	-16.01	330.57	1,100.67	3,494.98	3,448.31	46.67	74.883			
8,100.00	4,844.78	4,463.80	4,282.10	87.35	24.00	-16.01	330.57	1,100.67	3,593.78	3,547.07	46.71	76.936			
8,200.00	4,845.82	4,463.80	4,282.10	89.92	24.00	-16.01	330.57	1,100.67	3,692.65	3,645.90	46.75	78.989			
8,300.00	4,846.87	4,459.45	4,277.97	92.50	23.97	-16.02	330.15	1,099.34	3,791.57	3,744.81	46.77	81.077			
8,400.00	4,847.91	4,444.91	4,264.20	95.08	23.88	-16.03	328.74	1,094.90	3,890.51	3,843.78	46.73	83.248			
8,500.00	4,848.96	4,430.38	4,250.44	97.66	23.79	-16.04	327.32	1,090.46	3,989.45	3,942.74	46.70	85.420			
8,600.00	4,850.00	4,415.84	4,236.67	100.25	23.70	-16.05	325.91	1,086.03	4,088.39	4,041.71	46.68	87.592			
8,700.00	4,851.05	4,401.31	4,222.90	102.84	23.61	-16.06	324.50	1,081.59	4,187.32	4,140.67	46.65	89.763			
8,800.00	4,852.09	4,386.77	4,209.13	105.43	23.52	-16.07	323.08	1,077.15	4,286.26	4,239.64	46.62	91.934			



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #578H - Original Drilling - APD Rev 3													Offset Site Error:	0.00 ft		
Survey Program: 0-MWD+HDGM													Rule Assigned:		Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)						
8,900.00	4,853.14	4,372.24	4,195.36	108.03	23.43	-16.08	321.67	1,072.71	4,385.20	4,338.60	46.60	94.103				
9,000.00	4,854.18	4,357.70	4,181.59	110.62	23.34	-16.08	320.26	1,068.28	4,484.14	4,437.56	46.58	96.272				
9,100.00	4,855.22	4,343.17	4,167.82	113.22	23.25	-16.09	318.84	1,063.84	4,583.08	4,536.52	46.56	98.440				
9,200.00	4,856.27	4,328.63	4,154.06	115.82	23.16	-16.10	317.43	1,059.40	4,682.01	4,635.48	46.54	100.606				
9,300.00	4,857.31	4,314.10	4,140.29	118.42	23.07	-16.11	316.01	1,054.96	4,780.95	4,734.43	46.52	102.771				
9,400.00	4,858.36	4,299.56	4,126.52	121.03	22.98	-16.11	314.60	1,050.52	4,879.89	4,833.39	46.50	104.934				
9,500.00	4,859.40	4,285.03	4,112.75	123.63	22.89	-16.12	313.19	1,046.09	4,978.83	4,932.34	46.49	107.096				
9,600.00	4,860.45	4,270.49	4,098.98	126.24	22.80	-16.13	311.77	1,041.65	5,077.77	5,031.29	46.48	109.255				
9,700.00	4,861.49	4,255.96	4,085.21	128.85	22.71	-16.13	310.36	1,037.21	5,176.70	5,130.24	46.46	111.411				
9,800.00	4,862.54	4,241.42	4,071.44	131.45	22.62	-16.14	308.95	1,032.77	5,275.64	5,229.19	46.45	113.566				
9,900.00	4,863.58	4,226.89	4,057.68	134.06	22.53	-16.15	307.53	1,028.34	5,374.58	5,328.13	46.45	115.717				
10,000.00	4,864.63	4,212.35	4,043.91	136.68	22.44	-16.15	306.12	1,023.90	5,473.52	5,427.08	46.44	117.866				
10,100.00	4,865.67	4,197.82	4,030.14	139.29	22.35	-16.16	304.71	1,019.46	5,572.46	5,526.02	46.43	120.012				
10,200.00	4,866.72	4,183.28	4,016.37	141.90	22.26	-16.16	303.29	1,015.02	5,671.39	5,624.97	46.43	122.155				
10,300.00	4,867.76	4,168.75	4,002.60	144.51	22.17	-16.17	301.88	1,010.58	5,770.33	5,723.91	46.42	124.295				
10,400.00	4,868.81	4,154.21	3,988.83	147.13	22.08	-16.17	300.47	1,006.15	5,869.27	5,822.85	46.42	126.431				
10,500.00	4,869.85	4,139.68	3,975.07	149.74	21.99	-16.18	299.05	1,001.71	5,968.21	5,921.79	46.42	128.563				
10,600.00	4,870.90	4,125.14	3,961.30	152.36	21.90	-16.18	297.64	997.27	6,067.15	6,020.72	46.42	130.692				
10,700.00	4,871.94	4,110.61	3,947.53	154.98	21.81	-16.19	296.23	992.83	6,166.08	6,119.66	46.43	132.817				
10,800.00	4,872.99	4,096.07	3,933.76	157.60	21.72	-16.19	294.81	988.39	6,265.02	6,218.59	46.43	134.937				
10,900.00	4,874.03	4,081.54	3,919.99	160.21	21.63	-16.19	293.40	983.96	6,363.96	6,317.53	46.43	137.054				
11,000.00	4,875.08	4,067.00	3,906.22	162.83	21.54	-16.20	291.98	979.52	6,462.90	6,416.46	46.44	139.166				
11,100.00	4,876.12	4,052.47	3,892.45	165.45	21.45	-16.20	290.57	975.08	6,561.84	6,515.39	46.45	141.274				
11,200.00	4,877.17	4,037.93	3,878.69	168.07	21.36	-16.21	289.16	970.64	6,660.77	6,614.32	46.46	143.377				
11,300.00	4,878.21	4,023.40	3,864.92	170.69	21.27	-16.21	287.74	966.21	6,759.71	6,713.25	46.47	145.475				
11,400.00	4,879.26	4,008.86	3,851.15	173.32	21.18	-16.21	286.33	961.77	6,858.65	6,812.17	46.48	147.569				
11,500.00	4,880.30	3,994.33	3,837.38	175.94	21.09	-16.22	284.92	957.33	6,957.59	6,911.10	46.49	149.658				
11,600.00	4,881.35	3,979.79	3,823.61	178.56	21.00	-16.22	283.50	952.89	7,056.53	7,010.02	46.50	151.741				
11,700.00	4,882.39	3,965.26	3,809.84	181.18	20.91	-16.22	282.09	948.45	7,155.46	7,108.95	46.52	153.819				
11,800.00	4,883.44	3,950.72	3,796.07	183.81	20.82	-16.23	280.68	944.02	7,254.40	7,207.87	46.53	155.892				
11,900.00	4,884.48	3,936.19	3,782.31	186.43	20.73	-16.23	279.26	939.58	7,353.34	7,306.79	46.55	157.960				
12,000.00	4,885.53	3,921.65	3,768.54	189.05	20.64	-16.23	277.85	935.14	7,452.28	7,405.71	46.57	160.021				
12,100.00	4,886.57	3,907.12	3,754.77	191.68	20.55	-16.24	276.44	930.70	7,551.22	7,504.63	46.59	162.078				
12,200.00	4,887.62	3,892.58	3,741.00	194.30	20.46	-16.24	275.02	926.27	7,650.15	7,603.54	46.61	164.128				
12,300.00	4,888.66	3,878.05	3,727.23	196.93	20.37	-16.24	273.61	921.83	7,749.09	7,702.46	46.63	166.173				
12,400.00	4,889.71	3,863.51	3,713.46	199.56	20.28	-16.24	272.19	917.39	7,848.03	7,801.37	46.66	168.212				
12,500.00	4,890.75	3,848.98	3,699.69	202.18	20.19	-16.25	270.78	912.95	7,946.97	7,900.29	46.68	170.244				
12,522.60	4,890.99	3,845.70	3,696.58	202.77	20.17	-16.25	270.46	911.95	7,969.33	7,922.65	46.69	170.703				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #582H - Original Drilling - APD Rev 3														Offset Site Error:	0.00 ft	
Survey Program: 0-MWD+HDGM														Offset Well Error:		0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance			Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)					
0.00	0.00	0.00	0.00	0.00	0.00	179.83	-40.00	0.12	40.00							
100.00	100.00	100.00	100.00	0.15	0.15	179.83	-40.00	0.12	40.00	39.69	0.31	129.750				
200.00	200.00	200.00	200.00	0.51	0.51	179.83	-40.00	0.12	40.00	38.97	1.03	39.016				
300.00	300.00	300.00	300.00	0.87	0.87	179.83	-40.00	0.12	40.00	38.26	1.74	22.960				
400.00	400.00	400.00	400.00	1.23	1.23	179.83	-40.00	0.12	40.00	37.54	2.46	16.266				
445.98	445.98	445.98	445.98	1.39	1.39	179.83	-40.00	0.12	40.00	37.21	2.79	14.343	CC, ES			
500.00	500.00	499.49	499.49	1.59	1.58	114.85	-40.33	-0.26	40.54	37.38	3.16	12.812				
600.00	599.93	599.32	599.30	1.94	1.91	121.01	-41.58	-1.71	43.61	39.75	3.85	11.317				
700.00	699.67	698.92	698.88	2.30	2.26	129.52	-42.83	-3.16	49.26	44.71	4.55	10.816	SF			
800.00	799.10	798.14	798.08	2.66	2.60	138.47	-44.08	-4.61	58.35	53.09	5.26	11.086				
900.00	898.10	896.86	896.78	3.04	2.95	146.44	-45.32	-6.04	71.37	65.39	5.98	11.938				
1,000.00	996.55	994.97	994.88	3.43	3.29	152.89	-46.55	-7.47	88.42	81.72	6.69	13.209				
1,100.00	1,094.33	1,092.35	1,092.24	3.85	3.64	157.88	-47.77	-8.89	109.41	102.00	7.41	14.767				
1,200.00	1,191.32	1,188.87	1,188.74	4.29	3.98	161.69	-48.99	-10.29	134.20	126.08	8.12	16.518				
1,300.00	1,287.41	1,284.43	1,284.28	4.77	4.32	164.60	-50.19	-11.68	162.66	153.82	8.84	18.402				
1,326.58	1,312.78	1,309.65	1,309.50	4.90	4.41	165.25	-50.50	-12.05	170.82	161.79	9.03	18.911				
1,400.00	1,382.76	1,379.21	1,379.04	5.28	4.66	166.90	-51.38	-13.06	193.79	184.24	9.55	20.289				
1,500.00	1,478.07	1,473.95	1,473.76	5.80	5.00	168.60	-52.57	-14.44	225.25	214.99	10.26	21.957				
1,600.00	1,573.38	1,568.69	1,568.48	6.34	5.34	169.89	-53.76	-15.82	256.84	245.87	10.97	23.414				
1,700.00	1,668.69	1,663.42	1,663.21	6.88	5.68	170.89	-54.95	-17.20	288.53	276.85	11.68	24.695				
1,800.00	1,764.01	1,758.16	1,757.93	7.43	6.02	171.70	-56.14	-18.58	320.28	307.88	12.40	25.827				
1,900.00	1,859.32	1,852.90	1,852.65	7.99	6.36	172.36	-57.33	-19.96	352.08	338.96	13.12	26.835				
2,000.00	1,954.63	1,947.64	1,947.37	8.55	6.69	172.91	-58.52	-21.34	383.91	370.07	13.84	27.737				
2,100.00	2,049.95	2,042.38	2,042.09	9.11	7.03	173.38	-59.71	-22.71	415.77	401.21	14.56	28.547				
2,200.00	2,145.26	2,137.12	2,136.81	9.68	7.37	173.78	-60.90	-24.09	447.65	432.36	15.29	29.280				
2,300.00	2,240.57	2,231.86	2,231.53	10.25	7.71	174.13	-62.09	-25.47	479.55	463.53	16.01	29.945				
2,400.00	2,335.88	2,326.59	2,326.25	10.82	8.05	174.43	-63.28	-26.85	511.46	494.72	16.74	30.551				
2,500.00	2,431.20	2,421.33	2,420.98	11.40	8.39	174.70	-64.47	-28.23	543.38	525.92	17.47	31.106				
2,600.00	2,526.51	2,516.07	2,515.70	11.97	8.73	174.94	-65.66	-29.61	575.32	557.12	18.20	31.615				
2,700.00	2,621.82	2,610.81	2,610.42	12.55	9.07	175.15	-66.85	-30.99	607.26	588.33	18.93	32.084				
2,800.00	2,717.13	2,705.55	2,705.14	13.13	9.42	175.35	-68.04	-32.37	639.21	619.55	19.66	32.518				
2,900.00	2,812.45	2,800.29	2,799.86	13.70	9.76	175.52	-69.23	-33.75	671.16	650.77	20.39	32.919				
3,000.00	2,907.76	2,895.03	2,894.58	14.28	10.10	175.68	-70.42	-35.12	703.12	682.00	21.12	33.292				
3,100.00	3,003.07	2,989.77	2,989.30	14.86	10.44	175.82	-71.61	-36.50	735.08	713.23	21.85	33.640				
3,200.00	3,098.39	3,084.50	3,084.02	15.45	10.78	175.95	-72.80	-37.88	767.05	744.46	22.58	33.964				
3,300.00	3,193.70	3,179.24	3,178.74	16.03	11.12	176.08	-73.99	-39.26	799.02	775.70	23.32	34.268				
3,400.00	3,289.01	3,273.98	3,273.47	16.61	11.46	176.19	-75.18	-40.64	830.99	806.94	24.05	34.553				
3,500.00	3,384.32	3,368.72	3,368.19	17.19	11.80	176.29	-76.37	-42.02	862.97	838.18	24.78	34.820				
3,600.00	3,479.64	3,463.46	3,462.91	17.77	12.14	176.39	-77.56	-43.40	894.95	869.43	25.52	35.071				
3,700.00	3,574.95	3,558.20	3,557.63	18.36	12.48	176.48	-78.75	-44.78	926.93	900.67	26.25	35.309				
3,800.00	3,670.26	3,652.94	3,652.35	18.94	12.82	176.56	-79.94	-46.16	958.91	931.92	26.99	35.533				
3,900.00	3,765.57	3,747.68	3,747.07	19.52	13.16	176.64	-81.13	-47.53	990.89	963.17	27.72	35.744				
4,000.00	3,860.89	3,842.41	3,841.79	20.11	13.50	176.72	-82.32	-48.91	1,022.88	994.42	28.46	35.945				
4,100.00	3,956.20	3,937.15	3,936.51	20.69	13.84	176.78	-83.51	-50.29	1,054.86	1,025.67	29.19	36.135				
4,200.00	4,051.51	4,031.89	4,031.24	21.28	14.18	176.85	-84.70	-51.67	1,086.85	1,056.92	29.93	36.315				
4,285.36	4,132.87	4,112.76	4,112.09	21.78	14.47	176.90	-85.72	-52.85	1,114.16	1,083.60	30.56	36.462				
4,300.00	4,146.84	4,126.65	4,125.97	21.86	14.52	-178.73	-85.89	-53.05	1,118.79	1,088.13	30.66	36.486				
4,350.00	4,194.75	4,204.11	4,203.38	22.13	14.80	-163.00	-88.19	-52.77	1,133.54	1,102.31	31.23	36.297				
4,400.00	4,242.72	4,319.70	4,317.18	22.38	15.19	-148.48	-102.91	-40.33	1,144.60	1,112.62	31.98	35.794				
4,450.00	4,290.45	4,420.31	4,412.04	22.60	15.53	-136.64	-127.00	-17.43	1,152.19	1,119.59	32.60	35.348				
4,500.00	4,337.66	4,500.51	4,483.16	22.79	15.79	-127.75	-153.31	8.48	1,157.54	1,124.41	33.13	34.942				
4,550.00	4,384.05	4,560.62	4,533.13	22.96	16.01	-121.22	-176.90	32.10	1,161.88	1,128.27	33.61	34.572				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #582H - Original Drilling - APD Rev 3													Offset Site Error:	0.00 ft	
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft	
Reference				Offset				Semi Major Axis		Offset Wellbore Centre		Distance			Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
4,600.00	4,429.34	4,603.72	4,566.91	23.11	16.19	-116.27	-195.73	51.12	1,166.17	1,132.14	34.04	34.262			
4,650.00	4,473.25	4,633.37	4,589.05	23.24	16.33	-112.31	-209.55	65.16	1,171.07	1,136.66	34.41	34.031			
4,700.00	4,515.50	4,652.66	4,602.96	23.36	16.43	-108.95	-218.92	74.70	1,176.95	1,142.23	34.72	33.899			
4,750.00	4,555.84	4,664.03	4,610.97	23.46	16.49	-105.94	-224.56	80.47	1,184.03	1,149.06	34.97	33.859			
4,800.00	4,594.01	4,669.31	4,614.64	23.54	16.52	-103.13	-227.22	83.18	1,192.38	1,157.21	35.16	33.908			
4,850.00	4,629.79	4,669.87	4,615.02	23.62	16.52	-100.44	-227.50	83.47	1,201.97	1,166.65	35.32	34.030			
4,900.00	4,662.95	4,666.72	4,612.84	23.68	16.50	-97.82	-225.92	81.85	1,212.72	1,177.27	35.45	34.206			
4,950.00	4,693.28	4,660.63	4,608.59	23.73	16.47	-95.25	-222.87	78.73	1,224.52	1,188.94	35.58	34.418			
5,000.00	4,720.61	4,650.00	4,601.07	23.77	16.41	-92.63	-217.61	73.37	1,237.21	1,201.52	35.69	34.668			
5,050.00	4,744.76	4,641.84	4,595.21	23.80	16.37	-90.26	-213.63	69.31	1,250.62	1,214.75	35.88	34.860			
5,100.00	4,765.58	4,629.93	4,586.53	23.83	16.32	-87.85	-207.91	63.49	1,264.59	1,228.52	36.07	35.055			
5,150.00	4,782.94	4,616.73	4,576.74	23.85	16.25	-85.52	-201.71	57.19	1,278.93	1,242.61	36.32	35.213			
5,200.00	4,796.74	4,600.00	4,564.06	23.88	16.18	-83.19	-194.04	49.41	1,293.46	1,256.87	36.59	35.350			
5,250.00	4,806.90	4,587.32	4,554.27	23.91	16.12	-81.16	-188.38	43.68	1,308.00	1,271.03	36.97	35.377			
5,300.00	4,813.34	4,571.42	4,541.76	23.97	16.06	-79.17	-181.47	36.71	1,322.40	1,285.02	37.38	35.377			
5,353.81	4,816.08	4,550.00	4,524.54	24.10	15.97	-77.07	-172.50	27.68	1,337.55	1,299.72	37.83	35.357			
5,400.00	4,816.56	4,538.56	4,515.16	24.37	15.93	-76.66	-167.87	23.03	1,350.92	1,312.59	38.33	35.247			
5,500.00	4,817.61	4,500.00	4,482.73	25.60	15.79	-75.25	-153.13	8.30	1,383.88	1,344.58	39.29	35.218			
5,600.00	4,818.65	4,483.84	4,468.78	27.30	15.73	-74.65	-147.35	2.56	1,422.01	1,381.50	40.51	35.101			
5,700.00	4,819.70	4,450.00	4,438.91	29.20	15.62	-73.37	-136.03	-8.61	1,465.35	1,423.84	41.50	35.307			
5,800.00	4,820.74	4,450.00	4,438.91	31.21	15.62	-73.37	-136.03	-8.61	1,513.29	1,470.51	42.78	35.374			
5,900.00	4,821.79	4,424.81	4,416.15	33.32	15.54	-72.41	-128.32	-16.16	1,565.66	1,521.93	43.72	35.808			
6,000.00	4,822.83	4,400.00	4,393.33	35.50	15.46	-71.45	-121.32	-22.94	1,622.22	1,577.63	44.59	36.380			
6,100.00	4,823.88	4,400.00	4,393.33	37.74	15.46	-71.45	-121.32	-22.94	1,682.38	1,636.78	45.59	36.901			
6,200.00	4,824.92	4,383.33	4,377.80	40.03	15.41	-70.81	-116.96	-27.12	1,745.96	1,699.60	46.36	37.664			
6,300.00	4,825.97	4,372.17	4,367.31	42.36	15.37	-70.38	-114.20	-29.76	1,812.63	1,765.54	47.08	38.499			
6,400.00	4,827.01	4,350.00	4,346.29	44.73	15.30	-69.52	-109.09	-34.59	1,882.19	1,834.54	47.65	39.504			
6,500.00	4,828.06	4,350.00	4,346.29	47.12	15.30	-69.52	-109.09	-34.59	1,954.01	1,905.70	48.31	40.449			
6,600.00	4,829.10	4,350.00	4,346.29	49.54	15.30	-69.52	-109.09	-34.59	2,028.22	1,979.32	48.90	41.479			
6,700.00	4,830.15	4,350.00	4,346.29	51.98	15.30	-69.52	-109.09	-34.59	2,104.56	2,055.14	49.42	42.584			
6,800.00	4,831.19	4,329.56	4,326.70	54.44	15.23	-68.73	-104.82	-38.57	2,182.46	2,132.70	49.76	43.860			
6,900.00	4,832.24	4,322.99	4,320.37	56.91	15.20	-68.47	-103.54	-39.76	2,262.15	2,212.01	50.14	45.115			
7,000.00	4,833.28	4,300.00	4,298.06	59.40	15.13	-67.58	-99.41	-43.51	2,343.59	2,293.21	50.38	46.517			
7,100.00	4,834.33	4,300.00	4,298.06	61.90	15.13	-67.58	-99.41	-43.51	2,425.99	2,375.26	50.73	47.824			
7,200.00	4,835.37	4,300.00	4,298.06	64.41	15.13	-67.58	-99.41	-43.51	2,509.66	2,458.63	51.04	49.172			
7,300.00	4,836.42	4,300.00	4,298.06	66.93	15.13	-67.58	-99.41	-43.51	2,594.49	2,543.18	51.32	50.558			
7,400.00	4,837.46	4,300.00	4,298.06	69.46	15.13	-67.58	-99.41	-43.51	2,680.37	2,628.80	51.57	51.978			
7,500.00	4,838.51	4,300.00	4,298.06	72.00	15.13	-67.58	-99.41	-43.51	2,767.20	2,715.40	51.79	53.428			
7,600.00	4,839.55	4,300.00	4,298.06	74.54	15.13	-67.58	-99.41	-43.51	2,854.89	2,802.89	52.00	54.904			
7,700.00	4,840.60	4,300.00	4,298.06	77.09	15.13	-67.58	-99.41	-43.51	2,943.36	2,891.18	52.18	56.404			
7,800.00	4,841.64	4,300.00	4,298.06	79.65	15.13	-67.58	-99.41	-43.51	3,032.55	2,980.20	52.35	57.927			
7,900.00	4,842.69	4,277.47	4,276.03	82.21	15.05	-66.71	-95.90	-46.62	3,121.95	3,069.55	52.40	59.575			
8,000.00	4,843.73	4,274.28	4,272.90	84.78	15.04	-66.59	-95.44	-47.02	3,212.26	3,159.73	52.53	61.148			
8,100.00	4,844.78	4,271.27	4,269.93	87.35	15.03	-66.48	-95.02	-47.38	3,303.11	3,250.46	52.65	62.736			
8,200.00	4,845.82	4,250.00	4,248.96	89.92	14.96	-65.66	-92.34	-49.64	3,394.76	3,342.09	52.68	64.445			
8,300.00	4,846.87	4,250.00	4,248.96	92.50	14.96	-65.66	-92.34	-49.64	3,486.49	3,433.70	52.79	66.042			
8,400.00	4,847.91	4,250.00	4,248.96	95.08	14.96	-65.66	-92.34	-49.64	3,578.67	3,525.77	52.90	67.652			
8,500.00	4,848.96	4,250.00	4,248.96	97.66	14.96	-65.66	-92.34	-49.64	3,671.26	3,618.26	53.00	69.274			
8,600.00	4,850.00	4,250.00	4,248.96	100.25	14.96	-65.66	-92.34	-49.64	3,764.22	3,711.13	53.09	70.906			
8,700.00	4,851.05	4,250.00	4,248.96	102.84	14.96	-65.66	-92.34	-49.64	3,857.54	3,804.36	53.17	72.547			
8,800.00	4,852.09	4,250.00	4,248.96	105.43	14.96	-65.66	-92.34	-49.64	3,951.18	3,897.93	53.25	74.196			
8,900.00	4,853.14	4,250.00	4,248.96	108.03	14.96	-65.66	-92.34	-49.64	4,045.13	3,991.80	53.33	75.854			



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #582H - Original Drilling - APD Rev 3													Offset Site Error:	0.00 ft		
Survey Program: 0-MWD+HDGM													Rule Assigned:		Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)						
9,000.00	4,854.18	4,250.00	4,248.96	110.62	14.96	-65.66	-92.34	-49.64	4,139.36	4,085.96	53.40	77.518				
9,100.00	4,855.22	4,250.00	4,248.96	113.22	14.96	-65.66	-92.34	-49.64	4,233.85	4,180.39	53.47	79.189				
9,200.00	4,856.27	4,250.00	4,248.96	115.82	14.96	-65.66	-92.34	-49.64	4,328.60	4,275.07	53.53	80.865				
9,300.00	4,857.31	4,250.00	4,248.96	118.42	14.96	-65.66	-92.34	-49.64	4,423.57	4,369.98	53.59	82.547				
9,400.00	4,858.36	4,250.00	4,248.96	121.03	14.96	-65.66	-92.34	-49.64	4,518.76	4,465.12	53.65	84.234				
9,500.00	4,859.40	4,250.00	4,248.96	123.63	14.96	-65.66	-92.34	-49.64	4,614.16	4,560.46	53.70	85.925				
9,600.00	4,860.45	4,250.00	4,248.96	126.24	14.96	-65.66	-92.34	-49.64	4,709.74	4,655.99	53.75	87.619				
9,700.00	4,861.49	4,250.00	4,248.96	128.85	14.96	-65.66	-92.34	-49.64	4,805.51	4,751.71	53.80	89.317				
9,800.00	4,862.54	4,250.00	4,248.96	131.45	14.96	-65.66	-92.34	-49.64	4,901.44	4,847.59	53.85	91.019				
9,900.00	4,863.58	4,250.00	4,248.96	134.06	14.96	-65.66	-92.34	-49.64	4,997.54	4,943.64	53.90	92.722				
10,000.00	4,864.63	4,250.00	4,248.96	136.68	14.96	-65.66	-92.34	-49.64	5,093.78	5,039.84	53.94	94.429				
10,100.00	4,865.67	4,250.00	4,248.96	139.29	14.96	-65.66	-92.34	-49.64	5,190.17	5,136.18	53.99	96.137				
10,200.00	4,866.72	4,250.00	4,248.96	141.90	14.96	-65.66	-92.34	-49.64	5,286.69	5,232.66	54.03	97.847				
10,300.00	4,867.76	4,250.00	4,248.96	144.51	14.96	-65.66	-92.34	-49.64	5,383.34	5,329.27	54.07	99.558				
10,400.00	4,868.81	4,250.00	4,248.96	147.13	14.96	-65.66	-92.34	-49.64	5,480.11	5,425.99	54.11	101.271				
10,500.00	4,869.85	4,250.00	4,248.96	149.74	14.96	-65.66	-92.34	-49.64	5,576.99	5,522.83	54.15	102.985				
10,600.00	4,870.90	4,227.33	4,226.49	152.36	14.88	-64.80	-90.01	-51.49	5,673.54	5,619.42	54.12	104.835				
10,700.00	4,871.94	4,226.29	4,225.46	154.98	14.88	-64.77	-89.91	-51.56	5,770.59	5,716.44	54.15	106.557				
10,800.00	4,872.99	4,225.29	4,224.46	157.60	14.87	-64.73	-89.82	-51.62	5,867.74	5,813.55	54.19	108.280				
10,900.00	4,874.03	4,224.32	4,223.50	160.21	14.87	-64.69	-89.74	-51.69	5,964.98	5,910.76	54.23	110.003				
11,000.00	4,875.08	4,223.38	4,222.56	162.83	14.87	-64.66	-89.66	-51.75	6,062.31	6,008.05	54.26	111.726				
11,100.00	4,876.12	4,200.00	4,199.28	165.45	14.78	-63.78	-87.93	-52.94	6,160.16	6,105.94	54.22	113.612				
11,200.00	4,877.17	4,200.00	4,199.28	168.07	14.78	-63.78	-87.93	-52.94	6,257.62	6,203.36	54.26	115.329				
11,300.00	4,878.21	4,200.00	4,199.28	170.69	14.78	-63.78	-87.93	-52.94	6,355.16	6,300.86	54.30	117.045				
11,400.00	4,879.26	4,200.00	4,199.28	173.32	14.78	-63.78	-87.93	-52.94	6,452.77	6,398.44	54.33	118.761				
11,500.00	4,880.30	4,200.00	4,199.28	175.94	14.78	-63.78	-87.93	-52.94	6,550.46	6,496.09	54.37	120.476				
11,600.00	4,881.35	4,200.00	4,199.28	178.56	14.78	-63.78	-87.93	-52.94	6,648.22	6,593.81	54.41	122.190				
11,700.00	4,882.39	4,200.00	4,199.28	181.18	14.78	-63.78	-87.93	-52.94	6,746.04	6,691.59	54.45	123.904				
11,800.00	4,883.44	4,200.00	4,199.28	183.81	14.78	-63.78	-87.93	-52.94	6,843.93	6,789.44	54.48	125.616				
11,900.00	4,884.48	4,200.00	4,199.28	186.43	14.78	-63.78	-87.93	-52.94	6,941.87	6,887.35	54.52	127.328				
12,000.00	4,885.53	4,200.00	4,199.28	189.05	14.78	-63.78	-87.93	-52.94	7,039.87	6,985.32	54.56	129.038				
12,100.00	4,886.57	4,200.00	4,199.28	191.68	14.78	-63.78	-87.93	-52.94	7,137.93	7,083.34	54.59	130.746				
12,200.00	4,887.62	4,200.00	4,199.28	194.30	14.78	-63.78	-87.93	-52.94	7,236.04	7,181.41	54.63	132.453				
12,300.00	4,888.66	4,200.00	4,199.28	196.93	14.78	-63.78	-87.93	-52.94	7,334.21	7,279.54	54.67	134.159				
12,400.00	4,889.71	4,200.00	4,199.28	199.56	14.78	-63.78	-87.93	-52.94	7,432.42	7,377.71	54.71	135.863				
12,500.00	4,890.75	4,200.00	4,199.28	202.18	14.78	-63.78	-87.93	-52.94	7,530.68	7,475.93	54.74	137.565				
12,522.60	4,890.99	4,200.00	4,199.28	202.77	14.78	-63.78	-87.93	-52.94	7,552.89	7,498.14	54.75	137.949				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #609H - Original Drilling - APD Rev 3														Offset Site Error:	0.00 ft
Survey Program: 0-MWD+HDGM														Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance				Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor			
0.00	0.00	0.00	0.00	0.00	0.00	-0.17	20.00	-0.06	20.00	19.69	0.31	64.875			
100.00	100.00	100.00	100.00	0.15	0.15	-0.17	20.00	-0.06	20.00	18.97	1.03	19.508			
200.00	200.00	200.00	200.00	0.51	0.51	-0.17	20.00	-0.06	20.00	18.26	1.74	11.480			
300.00	300.00	300.00	300.00	0.87	0.87	-0.17	20.00	-0.06	20.00	17.54	2.46	8.134			
400.00	400.00	400.01	400.01	1.23	1.23	-0.18	20.00	-0.06	20.00	17.03	2.78	7.126			
445.98	445.98	446.13	446.13	1.39	1.38	-1.30	19.80	-0.45	19.80	15.91	3.15	6.046			
500.00	500.00	500.23	500.21	1.59	1.57	-72.74	19.15	-1.71	19.07	14.24	3.79	4.754 CC			
591.81	591.74	591.83	591.77	1.91	1.89	-91.32	17.82	-4.27	18.04	14.20	3.85	4.687 ES			
600.00	599.93	600.00	599.93	1.94	1.91	-93.49	17.71	-4.50	18.05	16.57	4.56	4.637			
700.00	699.67	699.47	699.34	2.30	2.26	-122.29	16.27	-7.28	21.13	25.37	5.27	5.816			
800.00	799.10	798.52	798.35	2.66	2.61	-144.53	14.84	-10.05	30.64	39.69	5.98	7.638			
900.00	898.10	897.03	896.81	3.04	2.97	-157.17	13.42	-12.81	45.68	58.43	6.69	9.731			
1,000.00	996.55	994.88	994.61	3.43	3.31	-164.25	12.01	-15.54	65.12	81.04	7.40	11.946			
1,100.00	1,094.33	1,091.96	1,091.64	3.85	3.66	-168.49	10.61	-18.25	88.45	107.27	8.12	14.218			
1,200.00	1,191.32	1,188.13	1,187.77	4.29	4.01	-171.21	9.22	-20.94	115.39	136.98	8.83	16.519			
1,300.00	1,287.41	1,283.30	1,282.89	4.77	4.35	-173.05	7.85	-23.60	145.80	145.44	9.02	17.125			
1,326.58	1,312.78	1,308.41	1,307.99	4.90	4.44	-173.43	7.48	-24.30	154.46	169.19	9.53	18.745			
1,400.00	1,382.76	1,377.66	1,377.20	5.28	4.69	-174.37	6.48	-26.24	178.73	201.59	10.24	20.690			
1,500.00	1,478.07	1,471.97	1,471.47	5.80	5.03	-175.31	5.12	-28.88	211.83	234.02	10.95	22.379			
1,600.00	1,573.38	1,566.29	1,565.74	6.34	5.37	-175.99	3.76	-31.51	244.97	266.47	11.66	23.858			
1,700.00	1,668.69	1,660.60	1,660.01	6.88	5.71	-176.50	2.40	-34.15	278.13	298.93	12.37	25.163			
1,800.00	1,764.01	1,754.92	1,754.28	7.43	6.05	-176.91	1.04	-36.78	311.30	331.40	13.09	26.321			
1,900.00	1,859.32	1,849.23	1,848.54	7.99	6.39	-177.24	-0.32	-39.42	344.49	363.88	13.81	27.355			
2,000.00	1,954.63	1,943.55	1,942.81	8.55	6.73	-177.51	-1.68	-42.06	377.69	396.36	14.53	28.284			
2,100.00	2,049.95	2,037.86	2,037.08	9.11	7.07	-177.74	-3.04	-44.69	410.89	428.85	15.25	29.123			
2,200.00	2,145.26	2,132.18	2,131.35	9.68	7.41	-177.93	-4.40	-47.33	444.10	461.34	15.97	29.884			
2,300.00	2,240.57	2,226.50	2,225.62	10.25	7.75	-178.10	-5.76	-49.97	477.31	493.83	16.70	30.577			
2,400.00	2,335.88	2,320.81	2,319.89	10.82	8.09	-178.25	-7.12	-52.60	510.52	526.32	17.42	31.211			
2,500.00	2,431.20	2,415.13	2,414.16	11.40	8.43	-178.37	-8.49	-55.24	543.74	558.81	18.15	31.793			
2,600.00	2,526.51	2,509.44	2,508.43	11.97	8.77	-178.48	-9.85	-57.88	576.96	591.31	18.87	32.329			
2,700.00	2,621.82	2,603.76	2,602.69	12.55	9.11	-178.59	-11.21	-60.51	610.18	623.80	19.60	32.823			
2,800.00	2,717.13	2,698.07	2,696.96	13.13	9.45	-178.68	-12.57	-63.15	643.40	656.30	20.33	33.282			
2,900.00	2,812.45	2,792.39	2,791.23	13.70	9.79	-178.76	-13.93	-65.78	676.63	688.79	21.06	33.708			
3,000.00	2,907.76	2,886.70	2,885.50	14.28	10.14	-178.83	-15.29	-68.42	709.85	721.29	21.79	34.105			
3,100.00	3,003.07	2,981.02	2,979.77	14.86	10.48	-178.90	-16.65	-71.06	743.08	753.78	22.52	34.475			
3,200.00	3,098.39	3,075.34	3,074.04	15.45	10.82	-178.96	-18.01	-73.69	776.30	786.28	23.25	34.822			
3,300.00	3,193.70	3,169.65	3,168.31	16.03	11.16	-179.01	-19.37	-76.33	809.53	818.78	23.98	35.146			
3,400.00	3,289.01	3,263.97	3,262.58	16.61	11.50	-179.07	-20.73	-78.97	842.76	851.28	24.71	35.451			
3,500.00	3,384.32	3,358.28	3,356.85	17.19	11.84	-179.11	-22.10	-81.60	875.99	883.77	25.44	35.738			
3,600.00	3,479.64	3,452.60	3,451.11	17.77	12.18	-179.16	-23.46	-84.24	909.21	916.27	26.17	36.009			
3,700.00	3,574.95	3,546.91	3,545.38	18.36	12.52	-179.20	-24.82	-86.87	942.44	948.77	26.90	36.265			
3,800.00	3,670.26	3,641.23	3,639.65	18.94	12.86	-179.24	-26.18	-89.51	975.67	981.27	27.64	36.506			
3,900.00	3,765.57	3,735.54	3,733.92	19.52	13.20	-179.27	-27.54	-92.15	1,008.90	1,013.77	28.37	36.735			
4,000.00	3,860.89	3,829.86	3,828.19	20.11	13.55	-179.31	-28.90	-94.78	1,042.13	1,046.26	29.10	36.952			
4,100.00	3,956.20	3,924.17	3,922.46	20.69	13.89	-179.34	-30.26	-97.42	1,075.37	1,078.76	29.83	37.158			
4,200.00	4,051.51	4,018.49	4,016.73	21.28	14.23	-179.37	-31.62	-100.06	1,108.60	1,106.50	30.46	37.326			
4,285.36	4,132.87	4,099.00	4,097.20	21.78	14.52	-179.39	-32.78	-102.31	1,136.96	1,111.20	30.57	37.352			
4,300.00	4,146.84	4,112.83	4,111.02	21.86	14.57	-175.03	-32.98	-102.69	1,141.77	1,126.29	30.93	37.413			
4,350.00	4,194.75	4,160.26	4,158.43	22.13	14.74	-159.10	-33.67	-104.02	1,157.22	1,140.13	31.20	37.547			
4,400.00	4,242.72	4,195.19	4,193.34	22.38	14.87	-142.92	-34.01	-105.17	1,171.32	1,153.23	31.40	37.733			
4,450.00	4,290.45	4,222.66	4,220.74	22.60	14.97	-128.38	-33.50	-106.91	1,184.62	1,165.54	31.58	37.907			
4,500.00	4,337.66	4,250.00	4,247.93	22.79	15.06	-116.57	-32.19	-109.51	1,197.12						



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #609H - Original Drilling - APD Rev 3													Offset Site Error:	0.00 ft		
Survey Program: 0-MWD+HDGM													Rule Assigned:		Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)						
4,550.00	4,384.05	4,277.73	4,275.34	22.96	15.16	-107.45	-30.05	-113.01	1,208.78	1,177.02	31.76	38.061				
4,600.00	4,429.34	4,300.00	4,297.23	23.11	15.24	-100.44	-27.74	-116.46	1,219.58	1,187.69	31.88	38.251				
4,650.00	4,473.25	4,333.11	4,329.45	23.24	15.36	-95.22	-23.35	-122.60	1,229.42	1,197.32	32.10	38.300				
4,700.00	4,515.50	4,360.97	4,356.25	23.36	15.46	-91.16	-18.76	-128.72	1,238.35	1,206.08	32.27	38.369				
4,750.00	4,555.84	4,388.99	4,382.83	23.46	15.56	-88.04	-13.35	-135.72	1,246.33	1,213.87	32.46	38.393				
4,800.00	4,594.01	4,417.17	4,409.15	23.54	15.66	-85.64	-7.09	-143.62	1,253.35	1,220.68	32.67	38.362				
4,850.00	4,629.79	4,450.00	4,439.21	23.62	15.77	-83.89	1.20	-153.87	1,259.42	1,226.47	32.95	38.217				
4,900.00	4,662.95	4,474.18	4,460.90	23.68	15.86	-82.44	7.98	-162.13	1,264.50	1,231.30	33.20	38.087				
4,950.00	4,693.28	4,500.00	4,483.59	23.73	15.95	-81.40	15.84	-171.60	1,268.65	1,235.13	33.51	37.855				
5,000.00	4,720.61	4,532.23	4,511.19	23.77	16.07	-80.83	26.54	-184.35	1,271.85	1,237.89	33.96	37.453				
5,050.00	4,744.76	4,561.72	4,535.68	23.80	16.19	-80.48	37.17	-196.88	1,274.13	1,239.69	34.44	36.993				
5,100.00	4,765.58	4,591.58	4,559.66	23.83	16.31	-80.40	48.71	-210.39	1,275.53	1,240.51	35.03	36.417				
5,150.00	4,782.94	4,621.83	4,583.10	23.85	16.45	-80.56	61.20	-224.88	1,276.08	1,240.37	35.71	35.733				
5,200.00	4,796.74	4,650.00	4,604.07	23.88	16.59	-80.89	73.51	-239.08	1,275.82	1,239.35	36.47	34.983				
5,250.00	4,806.90	4,683.75	4,628.09	23.91	16.78	-81.55	89.10	-256.95	1,274.78	1,237.40	37.38	34.104				
5,300.00	4,813.34	4,715.52	4,649.51	23.97	16.97	-82.35	104.57	-274.58	1,273.03	1,234.67	38.36	33.186				
5,353.81	4,816.08	4,750.00	4,671.41	24.10	17.20	-83.42	122.19	-294.54	1,270.41	1,230.90	39.51	32.152				
5,400.00	4,816.56	4,781.83	4,690.32	24.37	17.45	-84.26	139.18	-313.69	1,268.25	1,227.65	40.59	31.243				
5,500.00	4,817.61	4,857.69	4,730.05	25.60	18.11	-86.03	182.20	-361.85	1,265.83	1,222.66	43.17	29.325				
5,560.76	4,818.24	4,909.08	4,752.48	26.59	18.66	-87.02	213.13	-396.20	1,265.50	1,220.61	44.90	28.187				
5,600.00	4,818.65	4,944.30	4,765.67	27.30	19.07	-87.60	235.03	-420.41	1,265.61	1,219.51	46.10	27.451				
5,700.00	4,819.70	5,040.26	4,792.24	29.20	20.37	-88.76	297.07	-488.51	1,266.50	1,217.06	49.43	25.621				
5,800.00	4,820.74	5,142.26	4,804.98	31.21	21.98	-89.29	365.50	-562.92	1,267.60	1,214.49	53.11	23.868				
5,900.00	4,821.79	5,243.00	4,806.51	33.32	23.75	-89.32	433.93	-636.82	1,268.56	1,211.57	57.00	22.257				
6,000.00	4,822.83	5,342.99	4,807.67	35.50	25.66	-89.32	501.87	-710.18	1,269.52	1,208.44	61.08	20.784				
6,100.00	4,823.88	5,442.99	4,808.82	37.74	27.69	-89.33	569.81	-783.55	1,270.48	1,205.13	65.35	19.441				
6,200.00	4,824.92	5,542.99	4,809.98	40.03	29.82	-89.33	637.75	-856.91	1,271.43	1,201.67	69.76	18.225				
6,300.00	4,825.97	5,642.98	4,811.13	42.36	32.02	-89.34	705.68	-930.27	1,272.39	1,198.10	74.30	17.126				
6,400.00	4,827.01	5,742.98	4,812.29	44.73	34.29	-89.34	773.62	-1,003.63	1,273.35	1,194.42	78.93	16.133				
6,500.00	4,828.06	5,842.97	4,813.44	47.12	36.61	-89.35	841.56	-1,077.00	1,274.31	1,190.67	83.64	15.236				
6,600.00	4,829.10	5,942.97	4,814.60	49.54	38.97	-89.35	909.50	-1,150.36	1,275.26	1,186.85	88.42	14.423				
6,700.00	4,830.15	6,042.96	4,815.75	51.98	41.37	-89.36	977.44	-1,223.72	1,276.22	1,182.97	93.25	13.686				
6,800.00	4,831.19	6,142.96	4,816.91	54.44	43.79	-89.36	1,045.38	-1,297.09	1,277.18	1,179.04	98.14	13.014				
6,900.00	4,832.24	6,242.95	4,818.06	56.91	46.25	-89.37	1,113.32	-1,370.45	1,278.14	1,175.08	103.06	12.402				
7,000.00	4,833.28	6,342.95	4,819.22	59.40	48.72	-89.38	1,181.25	-1,443.81	1,279.09	1,171.08	108.02	11.841				
7,100.00	4,834.33	6,442.94	4,820.37	61.90	51.21	-89.38	1,249.19	-1,517.17	1,280.05	1,167.04	113.01	11.327				
7,200.00	4,835.37	6,542.94	4,821.53	64.41	53.71	-89.39	1,317.13	-1,590.54	1,281.01	1,162.99	118.02	10.854				
7,300.00	4,836.42	6,642.93	4,822.68	66.93	56.23	-89.39	1,385.07	-1,663.90	1,281.97	1,158.90	123.06	10.417				
7,400.00	4,837.46	6,742.93	4,823.84	69.46	58.76	-89.40	1,453.01	-1,737.26	1,282.92	1,154.80	128.12	10.013				
7,500.00	4,838.51	6,842.92	4,824.99	72.00	61.30	-89.40	1,520.95	-1,810.62	1,283.88	1,150.68	133.20	9.639				
7,600.00	4,839.55	6,942.92	4,826.15	74.54	63.85	-89.41	1,588.89	-1,883.99	1,284.84	1,146.55	138.29	9.291				
7,700.00	4,840.60	7,042.92	4,827.31	77.09	66.40	-89.41	1,656.83	-1,957.35	1,285.80	1,142.40	143.40	8.966				
7,800.00	4,841.64	7,142.91	4,828.46	79.65	68.97	-89.42	1,724.76	-2,030.71	1,286.76	1,138.23	148.52	8.664				
7,900.00	4,842.69	7,242.91	4,829.62	82.21	71.54	-89.42	1,792.70	-2,104.07	1,287.71	1,134.06	153.65	8.381				
8,000.00	4,843.73	7,342.90	4,830.77	84.78	74.11	-89.43	1,860.64	-2,177.44	1,288.67	1,129.88	158.79	8.115				
8,100.00	4,844.78	7,442.90	4,831.93	87.35	76.70	-89.43	1,928.58	-2,250.80	1,289.63	1,125.68	163.95	7.866				
8,200.00	4,845.82	7,542.89	4,833.08	89.92	79.28	-89.44	1,996.52	-2,324.16	1,290.59	1,121.48	169.11	7.632				
8,300.00	4,846.87	7,642.89	4,834.24	92.50	81.87	-89.45	2,064.46	-2,397.52	1,291.54	1,117.27	174.27	7.411				
8,400.00	4,847.91	7,742.88	4,835.39	95.08	84.46	-89.45	2,132.40	-2,470.89	1,292.50	1,113.05	179.45	7.203				
8,500.00	4,848.96	7,842.88	4,836.55	97.66	87.06	-89.46	2,200.33	-2,544.25	1,293.46	1,108.83	184.63	7.006				
8,600.00	4,850.00	7,942.87	4,837.70	100.25	89.66	-89.46	2,268.27	-2,617.61	1,294.42	1,104.60	189.82	6.819				
8,700.00	4,851.05	8,042.87	4,838.86	102.84	92.26	-89.47	2,336.21	-2,690.97	1,295.37	1,100.36	195.01	6.643				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Carson #609H - Original Drilling - APD Rev 3													Offset Site Error:	0.00 ft		
Survey Program: 0-MWD+HDGM													Offset Well Error:	0.00 ft		
Reference				Offset			Semi Major Axis		Offset Wellbore Centre		Distance			Rule Assigned:		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
8,800.00	4,852.09	8,142.86	4,840.01	105.43	94.87	-89.47	2,404.15	-2,764.34	1,296.33	1,096.12	200.21	6.475				
8,900.00	4,853.14	8,242.86	4,841.17	108.03	97.48	-89.48	2,472.09	-2,837.70	1,297.29	1,091.88	205.41	6.316				
9,000.00	4,854.18	8,342.86	4,842.32	110.62	100.09	-89.48	2,540.03	-2,911.06	1,298.25	1,087.63	210.62	6.164				
9,100.00	4,855.22	8,442.85	4,843.48	113.22	102.70	-89.49	2,607.97	-2,984.43	1,299.21	1,083.38	215.83	6.020				
9,200.00	4,856.27	8,542.85	4,844.63	115.82	105.31	-89.49	2,675.91	-3,057.79	1,300.16	1,079.12	221.04	5.882				
9,300.00	4,857.31	8,642.84	4,845.79	118.42	107.93	-89.50	2,743.84	-3,131.15	1,301.12	1,074.86	226.26	5.751				
9,400.00	4,858.36	8,742.84	4,846.94	121.03	110.55	-89.50	2,811.78	-3,204.51	1,302.08	1,070.60	231.48	5.625				
9,500.00	4,859.40	8,842.83	4,848.10	123.63	113.16	-89.51	2,879.72	-3,277.88	1,303.04	1,066.33	236.70	5.505				
9,600.00	4,860.45	8,942.83	4,849.26	126.24	115.78	-89.51	2,947.66	-3,351.24	1,303.99	1,062.06	241.93	5.390				
9,700.00	4,861.49	9,042.82	4,850.41	128.85	118.41	-89.52	3,015.60	-3,424.60	1,304.95	1,057.79	247.16	5.280				
9,800.00	4,862.54	9,142.82	4,851.57	131.45	121.03	-89.52	3,083.54	-3,497.96	1,305.91	1,053.52	252.39	5.174				
9,900.00	4,863.58	9,242.81	4,852.72	134.06	123.65	-89.53	3,151.48	-3,571.33	1,306.87	1,049.24	257.63	5.073				
10,000.00	4,864.63	9,342.81	4,853.88	136.68	126.28	-89.53	3,219.41	-3,644.69	1,307.83	1,044.96	262.86	4.975				
10,100.00	4,865.67	9,442.80	4,855.03	139.29	128.90	-89.54	3,287.35	-3,718.05	1,308.78	1,040.68	268.10	4.882				
10,200.00	4,866.72	9,542.80	4,856.19	141.90	131.53	-89.54	3,355.29	-3,791.41	1,309.74	1,036.40	273.34	4.792				
10,300.00	4,867.76	9,642.79	4,857.34	144.51	134.16	-89.55	3,423.23	-3,864.78	1,310.70	1,032.12	278.58	4.705				
10,400.00	4,868.81	9,742.79	4,858.50	147.13	136.79	-89.56	3,491.17	-3,938.14	1,311.66	1,027.83	283.83	4.621				
10,500.00	4,869.85	9,842.79	4,859.65	149.74	139.42	-89.56	3,559.11	-4,011.50	1,312.62	1,023.54	289.07	4.541				
10,600.00	4,870.90	9,942.78	4,860.81	152.36	142.05	-89.57	3,627.05	-4,084.86	1,313.57	1,019.25	294.32	4.463				
10,700.00	4,871.94	10,042.78	4,861.96	154.98	144.68	-89.57	3,694.98	-4,158.23	1,314.53	1,014.96	299.57	4.388				
10,800.00	4,872.99	10,142.77	4,863.12	157.60	147.31	-89.58	3,762.92	-4,231.59	1,315.49	1,010.67	304.82	4.316				
10,900.00	4,874.03	10,242.77	4,864.27	160.21	149.94	-89.58	3,830.86	-4,304.95	1,316.45	1,006.38	310.07	4.246				
11,000.00	4,875.08	10,342.76	4,865.43	162.83	152.58	-89.59	3,898.80	-4,378.32	1,317.41	1,002.08	315.32	4.178				
11,100.00	4,876.12	10,442.76	4,866.58	165.45	155.21	-89.59	3,966.74	-4,451.68	1,318.36	997.79	320.58	4.112				
11,200.00	4,877.17	10,542.75	4,867.74	168.07	157.84	-89.60	4,034.68	-4,525.04	1,319.32	993.49	325.83	4.049				
11,300.00	4,878.21	10,642.75	4,868.89	170.69	160.48	-89.60	4,102.62	-4,598.40	1,320.28	989.19	331.09	3.988				
11,400.00	4,879.26	10,742.74	4,870.05	173.32	163.11	-89.61	4,170.56	-4,671.77	1,321.24	984.89	336.34	3.928				
11,500.00	4,880.30	10,842.74	4,871.21	175.94	165.75	-89.61	4,238.49	-4,745.13	1,322.20	980.59	341.60	3.871				
11,600.00	4,881.35	10,942.73	4,872.36	178.56	168.38	-89.62	4,306.43	-4,818.49	1,323.15	976.29	346.86	3.815				
11,700.00	4,882.39	11,042.73	4,873.52	181.18	171.02	-89.62	4,374.37	-4,891.85	1,324.11	971.99	352.12	3.760				
11,800.00	4,883.44	11,142.72	4,874.67	183.81	173.66	-89.63	4,442.31	-4,965.22	1,325.07	967.69	357.38	3.708				
11,900.00	4,884.48	11,242.72	4,875.83	186.43	176.30	-89.63	4,510.25	-5,038.58	1,326.03	963.38	362.64	3.657				
12,000.00	4,885.53	11,342.72	4,876.98	189.05	178.93	-89.64	4,578.19	-5,111.94	1,326.99	959.08	367.91	3.607				
12,100.00	4,886.57	11,442.71	4,878.14	191.68	181.57	-89.64	4,646.13	-5,185.30	1,327.94	954.78	373.17	3.559				
12,200.00	4,887.62	11,542.71	4,879.29	194.30	184.21	-89.65	4,714.06	-5,258.67	1,328.90	950.47	378.43	3.512				
12,300.00	4,888.66	11,642.70	4,880.45	196.93	186.85	-89.65	4,782.00	-5,332.03	1,329.86	946.16	383.70	3.466				
12,400.00	4,889.71	11,742.70	4,881.60	199.56	189.49	-89.66	4,849.94	-5,405.39	1,330.82	941.86	388.96	3.421				
12,500.00	4,890.75	11,842.69	4,882.76	202.18	192.13	-89.66	4,917.88	-5,478.75	1,331.78	937.55	394.23	3.378				
12,522.60	4,890.99	11,865.30	4,883.02	202.77	192.72	-89.66	4,933.24	-5,495.34	1,331.99	936.58	395.42	3.369 SF				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Kelly State 7 - OH - OH														Offset Site Error:	0.00 ft		
Survey Program: 100-UNKNOWN														Rule Assigned:		Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)							
0.00	0.00	0.00	0.00	0.00	0.00	-13.04	2,240.57	-518.97	2,300.18								
100.00	100.00	63.00	63.00	0.15	2.52	-13.04	2,240.57	-518.97	2,299.88	2,297.21	2.67	860.021					
200.00	200.00	163.00	163.00	0.51	6.52	-13.04	2,240.57	-518.97	2,299.88	2,292.85	7.03	327.031					
300.00	300.00	263.00	263.00	0.87	10.52	-13.04	2,240.57	-518.97	2,299.88	2,288.49	11.39	201.902					
400.00	400.00	363.00	363.00	1.23	14.52	-13.04	2,240.57	-518.97	2,299.88	2,284.13	15.75	146.028					
445.98	445.98	408.98	408.98	1.39	16.36	-13.04	2,240.57	-518.97	2,299.88	2,282.13	17.75	129.546					
500.00	500.00	463.00	463.00	1.59	18.52	-79.21	2,240.57	-518.97	2,299.79	2,279.68	20.11	114.388					
600.00	599.93	562.93	562.93	1.94	22.52	-79.32	2,240.57	-518.97	2,299.11	2,274.66	24.45	94.018					
700.00	699.67	662.67	662.67	2.30	26.51	-79.51	2,240.57	-518.97	2,297.80	2,269.00	28.80	79.781					
800.00	799.10	762.10	762.10	2.66	30.48	-79.81	2,240.57	-518.97	2,295.89	2,262.75	33.14	69.270					
900.00	898.10	861.10	861.10	3.04	34.44	-80.20	2,240.57	-518.97	2,293.43	2,255.94	37.48	61.187					
1,000.00	996.55	959.55	959.55	3.43	38.38	-80.68	2,240.57	-518.97	2,290.48	2,248.66	41.81	54.777					
1,100.00	1,094.33	1,057.33	1,057.33	3.85	42.29	-81.26	2,240.57	-518.97	2,287.12	2,240.98	46.14	49.567					
1,200.00	1,191.32	1,154.32	1,154.32	4.29	46.17	-81.92	2,240.57	-518.97	2,283.45	2,232.99	50.47	45.248					
1,300.00	1,287.41	1,250.41	1,250.41	4.77	50.02	-82.65	2,240.57	-518.97	2,279.59	2,224.80	54.78	41.610					
1,326.58	1,312.78	1,275.78	1,275.78	4.90	51.03	-82.86	2,240.57	-518.97	2,278.54	2,222.61	55.93	40.738					
1,400.00	1,382.76	1,345.76	1,345.76	5.28	53.83	-83.39	2,240.57	-518.97	2,275.75	2,216.65	59.11	38.503					
1,500.00	1,478.07	1,441.07	1,441.07	5.80	57.64	-84.12	2,240.57	-518.97	2,272.30	2,208.86	63.44	35.817					
1,600.00	1,573.38	1,536.38	1,536.38	6.34	61.46	-84.84	2,240.57	-518.97	2,269.25	2,201.46	67.79	33.474					
1,700.00	1,668.69	1,631.69	1,631.69	6.88	65.27	-85.57	2,240.57	-518.97	2,266.60	2,194.45	72.15	31.416					
1,800.00	1,764.01	1,727.01	1,727.01	7.43	69.08	-86.29	2,240.57	-518.97	2,264.34	2,187.83	76.51	29.594					
1,900.00	1,859.32	1,822.32	1,822.32	7.99	72.89	-87.02	2,240.57	-518.97	2,262.49	2,181.61	80.88	27.973					
2,000.00	1,954.63	1,917.63	1,917.63	8.55	76.71	-87.75	2,240.57	-518.97	2,261.05	2,175.79	85.26	26.521					
2,100.00	2,049.95	2,012.95	2,012.95	9.11	80.52	-88.48	2,240.57	-518.97	2,260.01	2,170.37	89.63	25.214					
2,200.00	2,145.26	2,108.26	2,108.26	9.68	84.33	-89.22	2,240.57	-518.97	2,259.37	2,165.36	94.01	24.033					
2,300.00	2,240.57	2,203.57	2,203.57	10.25	88.14	-89.95	2,240.57	-518.97	2,259.14	2,160.74	98.39	22.960					
2,307.28	2,247.51	2,210.51	2,210.51	10.29	88.42	-90.00	2,240.57	-518.97	2,259.14	2,160.42	98.71	22.886					
2,400.00	2,335.88	2,298.88	2,298.88	10.82	91.96	-90.68	2,240.57	-518.97	2,259.31	2,156.54	102.78	21.983					
2,500.00	2,431.20	2,394.20	2,394.20	11.40	95.77	-91.41	2,240.57	-518.97	2,259.89	2,152.73	107.16	21.089					
2,600.00	2,526.51	2,489.51	2,489.51	11.97	99.58	-92.14	2,240.57	-518.97	2,260.87	2,149.33	111.54	20.269					
2,700.00	2,621.82	2,584.82	2,584.82	12.55	103.39	-92.87	2,240.57	-518.97	2,262.26	2,146.33	115.93	19.515					
2,800.00	2,717.13	2,680.13	2,680.13	13.13	107.21	-93.60	2,240.57	-518.97	2,264.05	2,143.74	120.31	18.819					
2,900.00	2,812.45	2,775.45	2,775.45	13.70	111.02	-94.33	2,240.57	-518.97	2,266.24	2,141.55	124.69	18.175					
3,000.00	2,907.76	2,870.76	2,870.76	14.28	114.83	-95.05	2,240.57	-518.97	2,268.84	2,139.77	129.07	17.578					
3,100.00	3,003.07	2,966.07	2,966.07	14.86	118.64	-95.78	2,240.57	-518.97	2,271.83	2,138.38	133.45	17.023					
3,200.00	3,098.39	3,061.39	3,061.39	15.45	122.46	-96.50	2,240.57	-518.97	2,275.23	2,137.39	137.83	16.507					
3,300.00	3,193.70	3,156.70	3,156.70	16.03	126.27	-97.22	2,240.57	-518.97	2,279.02	2,136.81	142.21	16.026					
3,400.00	3,289.01	3,252.01	3,252.01	16.61	130.08	-97.94	2,240.57	-518.97	2,283.20	2,136.62	146.59	15.576					
3,500.00	3,384.32	3,347.32	3,347.32	17.19	133.89	-98.66	2,240.57	-518.97	2,287.78	2,136.82	150.96	15.155					
3,600.00	3,479.64	3,442.64	3,442.64	17.77	137.71	-99.37	2,240.57	-518.97	2,292.75	2,137.41	155.33	14.760					
3,700.00	3,574.95	3,537.95	3,537.95	18.36	141.52	-100.08	2,240.57	-518.97	2,298.10	2,138.40	159.70	14.390					
3,800.00	3,670.26	3,633.26	3,633.26	18.94	145.33	-100.79	2,240.57	-518.97	2,303.84	2,139.77	164.07	14.042					
3,900.00	3,765.57	3,728.57	3,728.57	19.52	149.14	-101.49	2,240.57	-518.97	2,309.96	2,141.53	168.43	13.715					
4,000.00	3,860.89	3,823.89	3,823.89	20.11	152.96	-102.19	2,240.57	-518.97	2,316.47	2,143.67	172.79	13.406					
4,100.00	3,956.20	3,919.20	3,919.20	20.69	156.77	-102.89	2,240.57	-518.97	2,323.34	2,146.19	177.15	13.115					
4,200.00	4,051.51	4,014.51	4,014.51	21.28	160.58	-103.58	2,240.57	-518.97	2,330.59	2,149.08	181.51	12.840					
4,285.36	4,132.87	4,095.87	4,095.87	21.78	163.83	-104.17	2,240.57	-518.97	2,337.07	2,151.85	185.22	12.618					
4,300.00	4,146.84	4,109.84	4,109.84	21.86	164.39	-100.33	2,240.57	-518.97	2,338.04	2,152.18	185.86	12.580					
4,350.00	4,194.75	4,157.75	4,157.75	22.13	166.31	-85.92	2,240.57	-518.97	2,338.91	2,150.87	188.03	12.439					
4,400.00	4,242.72	4,205.72	4,205.72	22.38	168.23	-71.00	2,240.57	-518.97	2,335.96	2,145.77	190.19	12.282					
4,450.00	4,290.45	4,253.45	4,253.45	22.60	170.14	-57.60	2,240.57	-518.97	2,329.22	2,136.90	192.32	12.111					
4,500.00	4,337.66	4,300.66	4,300.66	22.79	172.03	-46.75	2,240.57	-518.97	2,318.71	2,124.30	194.41	11.927					



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Kelly State 7 - OH - OH													Offset Site Error:	0.00 ft		
Survey Program: 100-UNKNOWN													Rule Assigned:		Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis		Highside		Distance		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor				
4,550.00	4,384.05	4,347.05	4,347.05	22.96	173.88	-38.43	2,240.57	-518.97	2,304.49	2,108.04	196.44	11.731				
4,600.00	4,429.34	4,392.34	4,392.34	23.11	175.69	-32.12	2,240.57	-518.97	2,286.63	2,088.21	198.42	11.524				
4,650.00	4,473.25	4,436.25	4,436.25	23.24	177.45	-27.31	2,240.57	-518.97	2,265.24	2,064.92	200.32	11.308				
4,700.00	4,515.50	4,478.50	4,478.50	23.36	179.14	-23.56	2,240.57	-518.97	2,240.44	2,038.30	202.14	11.084				
4,750.00	4,555.84	4,518.84	4,518.84	23.46	180.75	-20.56	2,240.57	-518.97	2,212.37	2,008.50	203.87	10.852				
4,800.00	4,594.01	4,557.01	4,557.01	23.54	182.28	-18.11	2,240.57	-518.97	2,181.19	1,975.70	205.49	10.614				
4,850.00	4,629.79	4,592.79	4,592.79	23.62	183.71	-16.03	2,240.57	-518.97	2,147.09	1,940.08	207.01	10.372				
4,900.00	4,662.95	4,625.95	4,625.95	23.68	185.04	-14.20	2,240.57	-518.97	2,110.27	1,901.86	208.41	10.126				
4,950.00	4,693.28	4,656.28	4,656.28	23.73	186.25	-12.50	2,240.57	-518.97	2,070.95	1,861.26	209.69	9.876				
5,000.00	4,720.61	4,683.61	4,683.61	23.77	187.34	-10.81	2,240.57	-518.97	2,029.35	1,818.52	210.83	9.625				
5,050.00	4,744.76	4,707.76	4,707.76	23.80	188.31	-9.00	2,240.57	-518.97	1,985.74	1,773.90	211.84	9.374				
5,100.00	4,765.58	4,728.58	4,728.58	23.83	189.14	-6.84	2,240.57	-518.97	1,940.37	1,727.67	212.70	9.122				
5,150.00	4,782.94	4,745.94	4,745.94	23.85	189.84	-3.95	2,240.57	-518.97	1,893.52	1,680.10	213.42	8.872				
5,200.00	4,796.74	4,759.74	4,759.74	23.88	190.39	0.49	2,240.57	-518.97	1,845.48	1,631.49	213.99	8.624				
5,250.00	4,806.90	4,769.90	4,769.90	23.91	190.80	8.70	2,240.57	-518.97	1,796.54	1,582.14	214.40	8.379				
5,300.00	4,813.34	4,776.34	4,776.34	23.97	191.05	28.14	2,240.57	-518.97	1,747.01	1,532.34	214.66	8.138				
5,353.81	4,816.08	4,779.08	4,779.08	24.10	191.16	82.04	2,240.57	-518.97	1,693.38	1,478.61	214.77	7.885				
5,400.00	4,816.56	4,779.56	4,779.56	24.37	191.18	82.26	2,240.57	-518.97	1,647.33	1,432.54	214.79	7.670				
5,500.00	4,817.61	4,780.61	4,780.61	25.60	191.22	82.72	2,240.57	-518.97	1,547.65	1,332.82	214.82	7.204				
5,600.00	4,818.65	4,781.65	4,781.65	27.30	191.27	83.19	2,240.57	-518.97	1,448.01	1,233.15	214.86	6.739				
5,700.00	4,819.70	4,782.70	4,782.70	29.20	191.31	83.66	2,240.57	-518.97	1,348.42	1,133.52	214.90	6.275				
5,800.00	4,820.74	4,783.74	4,783.74	31.21	191.35	84.13	2,240.57	-518.97	1,248.90	1,033.95	214.96	5.810				
5,900.00	4,821.79	4,784.79	4,784.79	33.32	191.39	84.60	2,240.57	-518.97	1,149.46	934.45	215.02	5.346				
6,000.00	4,822.83	4,785.83	4,785.83	35.50	191.43	85.07	2,240.57	-518.97	1,050.13	835.04	215.09	4.882				
6,100.00	4,823.88	4,786.88	4,786.88	37.74	191.48	85.54	2,240.57	-518.97	950.94	735.74	215.20	4.419				
6,200.00	4,824.92	4,787.92	4,787.92	40.03	191.52	86.01	2,240.57	-518.97	851.93	636.59	215.35	3.956				
6,300.00	4,825.97	4,788.97	4,788.97	42.36	191.56	86.48	2,240.57	-518.97	753.19	537.62	215.56	3.494				
6,400.00	4,827.01	4,790.01	4,790.01	44.73	191.60	86.95	2,240.57	-518.97	654.82	438.92	215.90	3.033				
6,500.00	4,828.06	4,791.06	4,791.06	47.12	191.64	87.43	2,240.57	-518.97	557.03	340.57	216.46	2.573				
6,600.00	4,829.10	4,792.10	4,792.10	49.54	191.68	87.90	2,240.57	-518.97	460.20	242.73	217.47	2.116				
6,700.00	4,830.15	4,793.15	4,793.15	51.98	191.73	88.38	2,240.57	-518.97	365.07	145.67	219.40	1.664				
6,800.00	4,831.19	4,794.19	4,794.19	54.44	191.77	88.85	2,240.57	-518.97	273.43	49.99	223.44	1.224	Level 3			
6,900.00	4,832.24	4,795.24	4,795.24	56.91	191.81	89.32	2,240.57	-518.97	190.40	-41.98	232.38	0.819	Level 3			
7,000.00	4,833.28	4,796.28	4,796.28	59.40	191.85	89.80	2,240.57	-518.97	133.19	-114.90	248.09	0.537	Level 3			
7,042.58	4,833.73	4,796.73	4,796.73	60.46	191.87	90.00	2,240.57	-518.97	126.20	-126.10	252.31	0.500	Level 3, CC, ES, SF			
7,100.00	4,834.33	4,797.33	4,797.33	61.90	191.89	90.27	2,240.57	-518.97	138.65	-111.09	249.74	0.555	Level 3			
7,200.00	4,835.37	4,798.37	4,798.37	64.41	191.93	90.75	2,240.57	-518.97	201.76	-35.71	237.47	0.850	Level 3			
7,300.00	4,836.42	4,799.42	4,799.42	66.93	191.98	91.22	2,240.57	-518.97	286.68	57.08	229.60	1.249	Level 3			
7,400.00	4,837.46	4,800.46	4,800.46	69.46	192.02	91.69	2,240.57	-518.97	379.03	153.62	225.41	1.682				
7,500.00	4,838.51	4,801.51	4,801.51	72.00	192.06	92.17	2,240.57	-518.97	474.49	251.45	223.04	2.127				
7,600.00	4,839.55	4,802.55	4,802.55	74.54	192.10	92.64	2,240.57	-518.97	571.50	349.91	221.59	2.579				
7,700.00	4,840.60	4,803.60	4,803.60	77.09	192.14	93.12	2,240.57	-518.97	669.39	448.75	220.65	3.034				
7,800.00	4,841.64	4,804.64	4,804.64	79.65	192.19	93.59	2,240.57	-518.97	767.82	547.82	220.00	3.490				
7,900.00	4,842.69	4,805.69	4,805.69	82.21	192.23	94.06	2,240.57	-518.97	866.61	647.06	219.55	3.947				
8,000.00	4,843.73	4,806.73	4,806.73	84.78	192.27	94.53	2,240.57	-518.97	965.65	746.43	219.22	4.405				
8,100.00	4,844.78	4,807.78	4,807.78	87.35	192.31	95.00	2,240.57	-518.97	1,064.87	845.89	218.98	4.863				
8,200.00	4,845.82	4,808.82	4,808.82	89.92	192.35	95.47	2,240.57	-518.97	1,164.22	945.41	218.81	5.321				
8,300.00	4,846.87	4,809.87	4,809.87	92.50	192.39	95.94	2,240.57	-518.97	1,263.67	1,045.00	218.67	5.779				
8,400.00	4,847.91	4,810.91	4,810.91	95.08	192.44	96.41	2,240.57	-518.97	1,363.20	1,144.63	218.58	6.237				
8,500.00	4,848.96	4,811.96	4,811.96	97.66	192.48	96.88	2,240.57	-518.97	1,462.80	1,244.29	218.51	6.695				
8,600.00	4,850.00	4,813.00	4,813.00	100.25	192.52	97.35	2,240.57	-518.97	1,562.44	1,343.98	218.46	7.152				
8,700.00	4,851.05	4,814.05	4,814.05	102.84	192.56	97.81	2,240.57	-518.97	1,662.13	1,443.70	218.43	7.610				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - Kelly State 7 - OH - OH													Offset Site Error:	0.00 ft	
Survey Program: 100-UNKNOWN													Offset Well Error:		0.00 ft
Reference													Rule Assigned:		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,800.00	4,852.09	4,815.09	4,815.09	105.43	192.60	98.28	2,240.57	-518.97	1,761.85	1,543.44	218.41	8.067			
8,900.00	4,853.14	4,816.14	4,816.14	108.03	192.65	98.74	2,240.57	-518.97	1,861.60	1,643.20	218.40	8.524			
9,000.00	4,854.18	4,817.18	4,817.18	110.62	192.69	99.20	2,240.57	-518.97	1,961.38	1,742.97	218.41	8.980			
9,100.00	4,855.22	4,818.22	4,818.22	113.22	192.73	99.67	2,240.57	-518.97	2,061.18	1,842.76	218.42	9.437			
9,200.00	4,856.27	4,819.27	4,819.27	115.82	192.77	100.13	2,240.57	-518.97	2,160.99	1,942.56	218.44	9.893			
9,300.00	4,857.31	4,820.31	4,820.31	118.42	192.81	100.59	2,240.57	-518.97	2,260.82	2,042.36	218.46	10.349			
9,400.00	4,858.36	4,821.36	4,821.36	121.03	192.85	101.04	2,240.57	-518.97	2,360.67	2,142.18	218.49	10.804			
9,500.00	4,859.40	4,822.40	4,822.40	123.63	192.90	101.50	2,240.57	-518.97	2,460.53	2,242.00	218.53	11.260			
9,600.00	4,860.45	4,823.45	4,823.45	126.24	192.94	101.95	2,240.57	-518.97	2,560.40	2,341.83	218.57	11.715			
9,700.00	4,861.49	4,824.49	4,824.49	128.85	192.98	102.41	2,240.57	-518.97	2,660.27	2,441.66	218.61	12.169			
9,800.00	4,862.54	4,825.54	4,825.54	131.45	193.02	102.86	2,240.57	-518.97	2,760.16	2,541.50	218.66	12.623			
9,900.00	4,863.58	4,826.58	4,826.58	134.06	193.06	103.31	2,240.57	-518.97	2,860.05	2,641.35	218.70	13.077			
10,000.00	4,864.63	4,827.63	4,827.63	136.68	193.11	103.76	2,240.57	-518.97	2,959.95	2,741.20	218.76	13.531			
10,100.00	4,865.67	4,828.67	4,828.67	139.29	193.15	104.20	2,240.57	-518.97	3,059.86	2,841.05	218.81	13.984			
10,200.00	4,866.72	4,829.72	4,829.72	141.90	193.19	104.65	2,240.57	-518.97	3,159.77	2,940.90	218.87	14.437			
10,300.00	4,867.76	4,830.76	4,830.76	144.51	193.23	105.09	2,240.57	-518.97	3,259.69	3,040.76	218.93	14.889			
10,400.00	4,868.81	4,831.81	4,831.81	147.13	193.27	105.53	2,240.57	-518.97	3,359.61	3,140.62	218.99	15.341			
10,500.00	4,869.85	4,832.85	4,832.85	149.74	193.31	105.97	2,240.57	-518.97	3,459.54	3,240.48	219.05	15.793			
10,600.00	4,870.90	4,833.90	4,833.90	152.36	193.36	106.41	2,240.57	-518.97	3,559.47	3,340.35	219.12	16.245			
10,700.00	4,871.94	4,834.94	4,834.94	154.98	193.40	106.85	2,240.57	-518.97	3,659.40	3,440.22	219.18	16.696			
10,800.00	4,872.99	4,835.99	4,835.99	157.60	193.44	107.28	2,240.57	-518.97	3,759.34	3,540.09	219.25	17.146			
10,900.00	4,874.03	4,837.03	4,837.03	160.21	193.48	107.71	2,240.57	-518.97	3,859.28	3,639.96	219.32	17.596			
11,000.00	4,875.08	4,838.08	4,838.08	162.83	193.52	108.14	2,240.57	-518.97	3,959.22	3,739.83	219.39	18.046			
11,100.00	4,876.12	4,839.12	4,839.12	165.45	193.56	108.57	2,240.57	-518.97	4,059.16	3,839.70	219.46	18.496			
11,200.00	4,877.17	4,840.17	4,840.17	168.07	193.61	108.99	2,240.57	-518.97	4,159.11	3,939.57	219.54	18.945			
11,300.00	4,878.21	4,841.21	4,841.21	170.69	193.65	109.42	2,240.57	-518.97	4,259.06	4,039.45	219.61	19.393			
11,400.00	4,879.26	4,842.26	4,842.26	173.32	193.69	109.84	2,240.57	-518.97	4,359.01	4,139.32	219.69	19.842			
11,500.00	4,880.30	4,843.30	4,843.30	175.94	193.73	110.26	2,240.57	-518.97	4,458.97	4,239.20	219.77	20.290			
11,600.00	4,881.35	4,844.35	4,844.35	178.56	193.77	110.67	2,240.57	-518.97	4,558.92	4,339.08	219.84	20.737			
11,700.00	4,882.39	4,845.39	4,845.39	181.18	193.82	111.09	2,240.57	-518.97	4,658.88	4,438.95	219.92	21.184			
11,800.00	4,883.44	4,846.44	4,846.44	183.81	193.86	111.50	2,240.57	-518.97	4,758.84	4,538.83	220.01	21.631			
11,900.00	4,884.48	4,847.48	4,847.48	186.43	193.90	111.91	2,240.57	-518.97	4,858.80	4,638.71	220.09	22.077			
12,000.00	4,885.53	4,848.53	4,848.53	189.05	193.94	112.31	2,240.57	-518.97	4,958.76	4,738.59	220.17	22.522			
12,100.00	4,886.57	4,849.57	4,849.57	191.68	193.98	112.72	2,240.57	-518.97	5,058.72	4,838.47	220.25	22.968			
12,200.00	4,887.62	4,850.62	4,850.62	194.30	194.02	113.12	2,240.57	-518.97	5,158.68	4,938.35	220.34	23.413			
12,300.00	4,888.66	4,851.66	4,851.66	196.93	194.07	113.52	2,240.57	-518.97	5,258.65	5,038.23	220.42	23.857			
12,400.00	4,889.71	4,852.71	4,852.71	199.56	194.11	113.92	2,240.57	-518.97	5,358.62	5,138.11	220.51	24.301			
12,500.00	4,890.75	4,853.75	4,853.75	202.18	194.15	114.31	2,240.57	-518.97	5,458.58	5,237.99	220.60	24.745			
12,522.60	4,890.99	4,853.99	4,853.99	202.77	194.16	114.40	2,240.57	-518.97	5,481.18	5,260.56	220.62	24.845			



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - New Mexico Fed B4 - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 100-UNKNOWN													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Rule Assigned:		Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor		
0.00	0.00	0.00	0.00	0.00	0.00	-34.45	6,205.23	-4,256.06	7,524.56					
100.00	100.00	92.00	92.00	0.15	3.68	-34.45	6,205.23	-4,256.06	7,524.56	7,520.72	3.83	1,962.505		
200.00	200.00	192.00	192.00	0.51	7.68	-34.45	6,205.23	-4,256.06	7,524.56	7,516.37	8.19	918.456		
300.00	300.00	292.00	292.00	0.87	11.68	-34.45	6,205.23	-4,256.06	7,524.56	7,512.01	12.55	599.514		
400.00	400.00	392.00	392.00	1.23	15.68	-34.45	6,205.23	-4,256.06	7,524.56	7,507.65	16.91	444.988		
445.98	445.98	437.98	437.98	1.39	17.52	-34.45	6,205.23	-4,256.06	7,524.56	7,505.65	18.91	397.841		
500.00	500.00	492.00	492.00	1.59	19.68	-100.60	6,205.23	-4,256.06	7,524.65	7,503.39	21.27	353.849		
600.00	599.93	591.93	591.93	1.94	23.68	-100.62	6,205.23	-4,256.06	7,525.32	7,499.71	25.61	293.802		
700.00	699.67	691.67	691.67	2.30	27.67	-100.65	6,205.23	-4,256.06	7,526.64	7,496.68	29.96	251.223		
800.00	799.10	791.10	791.10	2.66	31.64	-100.69	6,205.23	-4,256.06	7,528.61	7,494.31	34.30	219.481		
900.00	898.10	890.10	890.10	3.04	35.60	-100.74	6,205.23	-4,256.06	7,531.25	7,492.61	38.64	194.916		
1,000.00	996.55	988.55	988.55	3.43	39.54	-100.80	6,205.23	-4,256.06	7,534.57	7,491.60	42.97	175.349		
1,100.00	1,094.33	1,086.33	1,086.33	3.85	43.45	-100.88	6,205.23	-4,256.06	7,538.59	7,491.30	47.29	159.400		
1,200.00	1,191.32	1,183.32	1,183.32	4.29	47.33	-100.96	6,205.23	-4,256.06	7,543.34	7,491.72	51.61	146.153		
1,300.00	1,287.41	1,279.41	1,279.41	4.77	51.18	-101.05	6,205.23	-4,256.06	7,548.83	7,492.90	55.93	134.977		
1,326.58	1,312.78	1,304.78	1,304.78	4.90	52.19	-101.07	6,205.23	-4,256.06	7,550.42	7,493.35	57.07	132.295		
1,400.00	1,382.76	1,374.76	1,374.76	5.28	54.99	-101.23	6,205.23	-4,256.06	7,554.92	7,494.68	60.24	125.410		
1,500.00	1,478.07	1,470.07	1,470.07	5.80	58.80	-101.45	6,205.23	-4,256.06	7,561.15	7,496.58	64.57	117.100		
1,600.00	1,573.38	1,565.38	1,565.38	6.34	62.62	-101.66	6,205.23	-4,256.06	7,567.50	7,498.59	68.91	109.819		
1,700.00	1,668.69	1,660.69	1,660.69	6.88	66.43	-101.88	6,205.23	-4,256.06	7,573.96	7,500.70	73.26	103.391		
1,800.00	1,764.01	1,756.01	1,756.01	7.43	70.24	-102.09	6,205.23	-4,256.06	7,580.53	7,502.92	77.61	97.676		
1,900.00	1,859.32	1,851.32	1,851.32	7.99	74.05	-102.30	6,205.23	-4,256.06	7,587.22	7,505.26	81.97	92.565		
2,000.00	1,954.63	1,946.63	1,946.63	8.55	77.87	-102.52	6,205.23	-4,256.06	7,594.03	7,507.70	86.33	87.967		
2,100.00	2,049.95	2,041.95	2,041.95	9.11	81.68	-102.73	6,205.23	-4,256.06	7,600.95	7,510.26	90.69	83.810		
2,200.00	2,145.26	2,137.26	2,137.26	9.68	85.49	-102.94	6,205.23	-4,256.06	7,607.99	7,512.93	95.06	80.034		
2,300.00	2,240.57	2,232.57	2,232.57	10.25	89.30	-103.15	6,205.23	-4,256.06	7,615.13	7,515.71	99.43	76.590		
2,400.00	2,335.88	2,327.88	2,327.88	10.82	93.12	-103.36	6,205.23	-4,256.06	7,622.40	7,518.60	103.80	73.435		
2,500.00	2,431.20	2,423.20	2,423.20	11.40	96.93	-103.58	6,205.23	-4,256.06	7,629.77	7,521.60	108.17	70.536		
2,600.00	2,526.51	2,518.51	2,518.51	11.97	100.74	-103.79	6,205.23	-4,256.06	7,637.26	7,524.72	112.54	67.863		
2,700.00	2,621.82	2,613.82	2,613.82	12.55	104.55	-104.00	6,205.23	-4,256.06	7,644.86	7,527.94	116.91	65.390		
2,800.00	2,717.13	2,709.13	2,709.13	13.13	108.37	-104.21	6,205.23	-4,256.06	7,652.57	7,531.28	121.28	63.096		
2,900.00	2,812.45	2,804.45	2,804.45	13.70	112.18	-104.42	6,205.23	-4,256.06	7,660.39	7,534.73	125.66	60.962		
3,000.00	2,907.76	2,899.76	2,899.76	14.28	115.99	-104.63	6,205.23	-4,256.06	7,668.33	7,538.30	130.03	58.973		
3,100.00	3,003.07	2,995.07	2,995.07	14.86	119.80	-104.84	6,205.23	-4,256.06	7,676.37	7,541.97	134.40	57.114		
3,200.00	3,098.39	3,090.39	3,090.39	15.45	123.62	-105.04	6,205.23	-4,256.06	7,684.53	7,545.75	138.78	55.373		
3,300.00	3,193.70	3,185.70	3,185.70	16.03	127.43	-105.25	6,205.23	-4,256.06	7,692.80	7,549.65	143.15	53.739		
3,400.00	3,289.01	3,281.01	3,281.01	16.61	131.24	-105.46	6,205.23	-4,256.06	7,701.17	7,553.65	147.52	52.203		
3,500.00	3,384.32	3,376.32	3,376.32	17.19	135.05	-105.67	6,205.23	-4,256.06	7,709.66	7,557.77	151.89	50.757		
3,600.00	3,479.64	3,471.64	3,471.64	17.77	138.87	-105.87	6,205.23	-4,256.06	7,718.26	7,561.99	156.27	49.391		
3,700.00	3,574.95	3,566.95	3,566.95	18.36	142.68	-106.08	6,205.23	-4,256.06	7,726.96	7,566.32	160.64	48.102		
3,800.00	3,670.26	3,662.26	3,662.26	18.94	146.49	-106.29	6,205.23	-4,256.06	7,735.78	7,570.77	165.01	46.881		
3,900.00	3,765.57	3,757.57	3,757.57	19.52	150.30	-106.49	6,205.23	-4,256.06	7,744.70	7,575.32	169.38	45.724		
4,000.00	3,860.89	3,852.89	3,852.89	20.11	154.12	-106.70	6,205.23	-4,256.06	7,753.73	7,579.98	173.75	44.626		
4,100.00	3,956.20	3,948.20	3,948.20	20.69	157.93	-106.90	6,205.23	-4,256.06	7,762.86	7,584.74	178.12	43.582		
4,200.00	4,051.51	4,043.51	4,043.51	21.28	161.74	-107.11	6,205.23	-4,256.06	7,772.11	7,589.62	182.49	42.589		
4,285.36	4,132.87	4,124.87	4,124.87	21.78	164.99	-107.28	6,205.23	-4,256.06	7,780.08	7,593.86	186.22	41.779		
4,300.00	4,146.84	4,138.84	4,138.84	21.86	165.55	-103.37	6,205.23	-4,256.06	7,781.29	7,594.43	186.86	41.643		
4,350.00	4,194.75	4,186.75	4,186.75	22.13	167.47	-88.73	6,205.23	-4,256.06	7,782.91	7,593.87	189.04	41.171		
4,400.00	4,242.72	4,234.72	4,234.72	22.38	169.39	-73.60	6,205.23	-4,256.06	7,780.64	7,589.43	191.21	40.692		
4,450.00	4,290.45	4,282.45	4,282.45	22.60	171.30	-60.00	6,205.23	-4,256.06	7,774.50	7,581.15	193.35	40.209		
4,500.00	4,337.66	4,329.66	4,329.66	22.79	173.19	-48.99	6,205.23	-4,256.06	7,764.52	7,569.06	195.45	39.726		
4,550.00	4,384.05	4,376.05	4,376.05	22.96	175.04	-40.51	6,205.23	-4,256.06	7,750.75	7,553.25	197.50	39.244		



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - New Mexico Fed B4 - OH - OH													Offset Site Error:	0.00 ft		
Survey Program: 100-UNKNOWN													Rule Assigned:		Offset Well Error:	0.00 ft
Reference				Offset			Semi Major Axis		Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)						
4,600.00	4,429.34	4,421.34	4,421.34	23.11	176.85	-34.07	6,205.23	-4,256.06	7,733.29	7,533.81	199.49	38.766				
4,650.00	4,473.25	4,465.25	4,465.25	23.24	178.61	-29.12	6,205.23	-4,256.06	7,712.24	7,510.84	201.40	38.293				
4,700.00	4,515.50	4,507.50	4,507.50	23.36	180.30	-25.26	6,205.23	-4,256.06	7,687.72	7,484.49	203.23	37.828				
4,750.00	4,555.84	4,547.84	4,547.84	23.46	181.91	-22.16	6,205.23	-4,256.06	7,659.88	7,454.91	204.96	37.372				
4,800.00	4,594.01	4,586.01	4,586.01	23.54	183.44	-19.62	6,205.23	-4,256.06	7,628.89	7,422.29	206.60	36.926				
4,850.00	4,629.79	4,621.79	4,621.79	23.62	184.87	-17.47	6,205.23	-4,256.06	7,594.94	7,386.82	208.13	36.492				
4,900.00	4,662.95	4,654.95	4,654.95	23.68	186.20	-15.58	6,205.23	-4,256.06	7,558.24	7,348.71	209.53	36.072				
4,950.00	4,693.28	4,685.28	4,685.28	23.73	187.41	-13.85	6,205.23	-4,256.06	7,519.00	7,308.19	210.81	35.666				
5,000.00	4,720.61	4,712.61	4,712.61	23.77	188.50	-12.16	6,205.23	-4,256.06	7,477.48	7,265.51	211.96	35.277				
5,050.00	4,744.76	4,736.76	4,736.76	23.80	189.47	-10.40	6,205.23	-4,256.06	7,433.91	7,220.94	212.98	34.905				
5,100.00	4,765.58	4,757.58	4,757.58	23.83	190.30	-8.36	6,205.23	-4,256.06	7,388.57	7,174.73	213.84	34.551				
5,150.00	4,782.94	4,774.94	4,774.94	23.85	191.00	-5.74	6,205.23	-4,256.06	7,341.74	7,127.18	214.56	34.217				
5,200.00	4,796.74	4,788.74	4,788.74	23.88	191.55	-1.82	6,205.23	-4,256.06	7,293.71	7,078.58	215.13	33.903				
5,250.00	4,806.90	4,798.90	4,798.90	23.91	191.96	5.30	6,205.23	-4,256.06	7,244.76	7,029.22	215.55	33.611				
5,300.00	4,813.34	4,805.34	4,805.34	23.97	192.21	22.58	6,205.23	-4,256.06	7,195.21	6,979.40	215.81	33.341				
5,353.81	4,816.08	4,808.08	4,808.08	24.10	192.32	80.47	6,205.23	-4,256.06	7,141.55	6,925.64	215.91	33.076				
5,400.00	4,816.56	4,808.56	4,808.56	24.37	192.34	80.53	6,205.23	-4,256.06	7,095.46	6,879.53	215.93	32.860				
5,500.00	4,817.61	4,809.61	4,809.61	25.60	192.38	80.66	6,205.23	-4,256.06	6,995.66	6,779.70	215.96	32.393				
5,600.00	4,818.65	4,810.65	4,810.65	27.30	192.43	80.80	6,205.23	-4,256.06	6,895.87	6,679.88	215.99	31.927				
5,700.00	4,819.70	4,811.70	4,811.70	29.20	192.47	80.93	6,205.23	-4,256.06	6,796.09	6,580.06	216.03	31.459				
5,800.00	4,820.74	4,812.74	4,812.74	31.21	192.51	81.06	6,205.23	-4,256.06	6,696.31	6,480.24	216.06	30.992				
5,900.00	4,821.79	4,813.79	4,813.79	33.32	192.55	81.19	6,205.23	-4,256.06	6,596.54	6,380.43	216.10	30.525				
6,000.00	4,822.83	4,814.83	4,814.83	35.50	192.59	81.32	6,205.23	-4,256.06	6,496.77	6,280.63	216.14	30.058				
6,100.00	4,823.88	4,815.88	4,815.88	37.74	192.64	81.45	6,205.23	-4,256.06	6,397.02	6,180.83	216.19	29.590				
6,200.00	4,824.92	4,816.92	4,816.92	40.03	192.68	81.59	6,205.23	-4,256.06	6,297.27	6,081.03	216.23	29.122				
6,300.00	4,825.97	4,817.97	4,817.97	42.36	192.72	81.72	6,205.23	-4,256.06	6,197.52	5,981.24	216.28	28.655				
6,400.00	4,827.01	4,819.01	4,819.01	44.73	192.76	81.85	6,205.23	-4,256.06	6,097.79	5,881.45	216.34	28.187				
6,500.00	4,828.06	4,820.06	4,820.06	47.12	192.80	81.98	6,205.23	-4,256.06	5,998.07	5,781.67	216.39	27.718				
6,600.00	4,829.10	4,821.10	4,821.10	49.54	192.84	82.12	6,205.23	-4,256.06	5,898.35	5,681.90	216.45	27.250				
6,700.00	4,830.15	4,822.15	4,822.15	51.98	192.89	82.25	6,205.23	-4,256.06	5,798.64	5,582.13	216.51	26.782				
6,800.00	4,831.19	4,823.19	4,823.19	54.44	192.93	82.38	6,205.23	-4,256.06	5,698.95	5,482.37	216.58	26.313				
6,900.00	4,832.24	4,824.24	4,824.24	56.91	192.97	82.51	6,205.23	-4,256.06	5,599.26	5,382.61	216.65	25.844				
7,000.00	4,833.28	4,825.28	4,825.28	59.40	193.01	82.65	6,205.23	-4,256.06	5,499.59	5,282.86	216.73	25.375				
7,100.00	4,834.33	4,826.33	4,826.33	61.90	193.05	82.78	6,205.23	-4,256.06	5,399.92	5,183.11	216.81	24.906				
7,200.00	4,835.37	4,827.37	4,827.37	64.41	193.09	82.91	6,205.23	-4,256.06	5,300.27	5,083.38	216.90	24.437				
7,300.00	4,836.42	4,828.42	4,828.42	66.93	193.14	83.04	6,205.23	-4,256.06	5,200.64	4,983.65	216.99	23.967				
7,400.00	4,837.46	4,829.46	4,829.46	69.46	193.18	83.18	6,205.23	-4,256.06	5,101.02	4,883.92	217.09	23.497				
7,500.00	4,838.51	4,830.51	4,830.51	72.00	193.22	83.31	6,205.23	-4,256.06	5,001.41	4,784.21	217.20	23.027				
7,600.00	4,839.55	4,831.55	4,831.55	74.54	193.26	83.44	6,205.23	-4,256.06	4,901.82	4,684.50	217.31	22.557				
7,700.00	4,840.60	4,832.60	4,832.60	77.09	193.30	83.58	6,205.23	-4,256.06	4,802.24	4,584.80	217.44	22.086				
7,800.00	4,841.64	4,833.64	4,833.64	79.65	193.35	83.71	6,205.23	-4,256.06	4,702.68	4,485.11	217.57	21.615				
7,900.00	4,842.69	4,834.69	4,834.69	82.21	193.39	83.84	6,205.23	-4,256.06	4,603.14	4,385.43	217.71	21.143				
8,000.00	4,843.73	4,835.73	4,835.73	84.78	193.43	83.98	6,205.23	-4,256.06	4,503.62	4,285.76	217.87	20.672				
8,100.00	4,844.78	4,836.78	4,836.78	87.35	193.47	84.11	6,205.23	-4,256.06	4,404.13	4,186.10	218.03	20.199				
8,200.00	4,845.82	4,837.82	4,837.82	89.92	193.51	84.24	6,205.23	-4,256.06	4,304.65	4,086.44	218.21	19.727				
8,300.00	4,846.87	4,838.87	4,838.87	92.50	193.55	84.38	6,205.23	-4,256.06	4,205.20	3,986.80	218.41	19.254				
8,400.00	4,847.91	4,839.91	4,839.91	95.08	193.60	84.51	6,205.23	-4,256.06	4,105.78	3,887.16	218.62	18.781				
8,500.00	4,848.96	4,840.96	4,840.96	97.66	193.64	84.64	6,205.23	-4,256.06	4,006.39	3,787.54	218.85	18.307				
8,600.00	4,850.00	4,842.00	4,842.00	100.25	193.68	84.78	6,205.23	-4,256.06	3,907.02	3,687.93	219.10	17.832				
8,700.00	4,851.05	4,843.05	4,843.05	102.84	193.72	84.91	6,205.23	-4,256.06	3,807.69	3,588.33	219.37	17.358				
8,800.00	4,852.09	4,844.09	4,844.09	105.43	193.76	85.05	6,205.23	-4,256.06	3,708.40	3,488.74	219.66	16.882				
8,900.00	4,853.14	4,845.14	4,845.14	108.03	193.81	85.18	6,205.23	-4,256.06	3,609.14	3,389.16	219.99	16.406				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - New Mexico Fed B4 - OH - OH											Offset Site Error:	0.00 ft	
Survey Program: 100-UNKNOWN											Offset Well Error:	0.00 ft	
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
9,000.00	4,854.18	4,846.18	4,846.18	110.62	193.85	85.31	6,205.23	-4,256.06	3,509.93	3,289.59	220.34	15.930	
9,100.00	4,855.22	4,847.22	4,847.22	113.22	193.89	85.45	6,205.23	-4,256.06	3,410.76	3,190.04	220.72	15.453	
9,200.00	4,856.27	4,848.27	4,848.27	115.82	193.93	85.58	6,205.23	-4,256.06	3,311.64	3,090.49	221.15	14.975	
9,300.00	4,857.31	4,849.31	4,849.31	118.42	193.97	85.72	6,205.23	-4,256.06	3,212.58	2,990.97	221.61	14.496	
9,400.00	4,858.36	4,850.36	4,850.36	121.03	194.01	85.85	6,205.23	-4,256.06	3,113.57	2,891.45	222.12	14.017	
9,500.00	4,859.40	4,851.40	4,851.40	123.63	194.06	85.98	6,205.23	-4,256.06	3,014.63	2,791.95	222.68	13.538	
9,600.00	4,860.45	4,852.45	4,852.45	126.24	194.10	86.12	6,205.23	-4,256.06	2,915.76	2,692.46	223.30	13.058	
9,700.00	4,861.49	4,853.49	4,853.49	128.85	194.14	86.25	6,205.23	-4,256.06	2,816.97	2,592.99	223.98	12.577	
9,800.00	4,862.54	4,854.54	4,854.54	131.45	194.18	86.39	6,205.23	-4,256.06	2,718.27	2,493.54	224.74	12.095	
9,900.00	4,863.58	4,855.58	4,855.58	134.06	194.22	86.52	6,205.23	-4,256.06	2,619.67	2,394.10	225.57	11.613	
10,000.00	4,864.63	4,856.63	4,856.63	136.68	194.27	86.66	6,205.23	-4,256.06	2,521.18	2,294.68	226.50	11.131	
10,100.00	4,865.67	4,857.67	4,857.67	139.29	194.31	86.79	6,205.23	-4,256.06	2,422.81	2,195.27	227.54	10.648	
10,200.00	4,866.72	4,858.72	4,858.72	141.90	194.35	86.92	6,205.23	-4,256.06	2,324.58	2,095.89	228.69	10.165	
10,300.00	4,867.76	4,859.76	4,859.76	144.51	194.39	87.06	6,205.23	-4,256.06	2,226.50	1,996.53	229.97	9.682	
10,400.00	4,868.81	4,860.81	4,860.81	147.13	194.43	87.19	6,205.23	-4,256.06	2,128.61	1,897.20	231.41	9.198	
10,500.00	4,869.85	4,861.85	4,861.85	149.74	194.47	87.33	6,205.23	-4,256.06	2,030.92	1,797.90	233.02	8.716	
10,600.00	4,870.90	4,862.90	4,862.90	152.36	194.52	87.46	6,205.23	-4,256.06	1,933.46	1,698.63	234.84	8.233	
10,700.00	4,871.94	4,863.94	4,863.94	154.98	194.56	87.60	6,205.23	-4,256.06	1,836.28	1,599.40	236.89	7.752	
10,800.00	4,872.99	4,864.99	4,864.99	157.60	194.60	87.73	6,205.23	-4,256.06	1,739.42	1,500.21	239.21	7.272	
10,900.00	4,874.03	4,866.03	4,866.03	160.21	194.64	87.87	6,205.23	-4,256.06	1,642.93	1,401.09	241.84	6.793	
11,000.00	4,875.08	4,867.08	4,867.08	162.83	194.68	88.00	6,205.23	-4,256.06	1,546.89	1,302.04	244.85	6.318	
11,100.00	4,876.12	4,868.12	4,868.12	165.45	194.72	88.14	6,205.23	-4,256.06	1,451.38	1,203.08	248.31	5.845	
11,200.00	4,877.17	4,869.17	4,869.17	168.07	194.77	88.27	6,205.23	-4,256.06	1,356.52	1,104.24	252.28	5.377	
11,300.00	4,878.21	4,870.21	4,870.21	170.69	194.81	88.41	6,205.23	-4,256.06	1,262.45	1,005.56	256.89	4.914	
11,400.00	4,879.26	4,871.26	4,871.26	173.32	194.85	88.54	6,205.23	-4,256.06	1,169.37	907.11	262.26	4.459	
11,500.00	4,880.30	4,872.30	4,872.30	175.94	194.89	88.68	6,205.23	-4,256.06	1,077.52	808.97	268.55	4.012	
11,600.00	4,881.35	4,873.35	4,873.35	178.56	194.93	88.81	6,205.23	-4,256.06	987.26	711.28	275.98	3.577	
11,700.00	4,882.39	4,874.39	4,874.39	181.18	194.98	88.95	6,205.23	-4,256.06	899.06	614.27	284.79	3.157	
11,800.00	4,883.44	4,875.44	4,875.44	183.81	195.02	89.08	6,205.23	-4,256.06	813.59	518.31	295.29	2.755	
11,900.00	4,884.48	4,876.48	4,876.48	186.43	195.06	89.21	6,205.23	-4,256.06	731.82	424.03	307.79	2.378	
12,000.00	4,885.53	4,877.53	4,877.53	189.05	195.10	89.35	6,205.23	-4,256.06	655.12	332.56	322.56	2.031	
12,100.00	4,886.57	4,878.57	4,878.57	191.68	195.14	89.48	6,205.23	-4,256.06	585.49	245.86	339.62	1.724	
12,200.00	4,887.62	4,879.62	4,879.62	194.30	195.18	89.62	6,205.23	-4,256.06	525.75	167.43	358.32	1.467 Level 3	
12,300.00	4,888.66	4,880.66	4,880.66	196.93	195.23	89.75	6,205.23	-4,256.06	479.61	102.94	376.67	1.273 Level 3	
12,400.00	4,889.71	4,881.71	4,881.71	199.56	195.27	89.89	6,205.23	-4,256.06	451.26	60.20	391.06	1.154 Level 3	
12,481.96	4,890.56	4,882.56	4,882.56	201.71	195.30	90.00	6,205.23	-4,256.06	443.76	46.77	396.99	1.118 Level 3, CC	
12,500.00	4,890.75	4,882.75	4,882.75	202.18	195.31	90.02	6,205.23	-4,256.06	444.13	46.71	397.42	1.118 Level 3, ES, SF	
12,522.60	4,890.99	4,882.99	4,882.99	202.77	195.32	90.05	6,205.23	-4,256.06	445.62	48.13	397.49	1.121 Level 3	



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - New Mexico Federal 3 - OH - OH														Offset Site Error:	0.00 ft		
Survey Program: 100-UNKNOWN														Rule Assigned:		Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)							
0.00	0.00	0.00	0.00	0.00	0.00	-24.40	3,576.62	-1,622.54	3,927.64								
100.00	100.00	61.00	61.00	0.15	2.44	-24.40	3,576.62	-1,622.54	3,927.45	3,924.85	2.59	1,513.920					
200.00	200.00	161.00	161.00	0.51	6.44	-24.40	3,576.62	-1,622.54	3,927.45	3,920.50	6.95	564.888					
300.00	300.00	261.00	261.00	0.87	10.44	-24.40	3,576.62	-1,622.54	3,927.45	3,916.14	11.31	347.221					
400.00	400.00	361.00	361.00	1.23	14.44	-24.40	3,576.62	-1,622.54	3,927.45	3,911.78	15.67	250.642					
445.98	445.98	406.98	406.98	1.39	16.28	-24.40	3,576.62	-1,622.54	3,927.45	3,909.77	17.67	222.223					
500.00	500.00	461.00	461.00	1.59	18.44	-90.57	3,576.62	-1,622.54	3,927.45	3,907.43	20.03	196.126					
600.00	599.93	560.93	560.93	1.94	22.44	-90.62	3,576.62	-1,622.54	3,927.49	3,903.12	24.37	161.136					
700.00	699.67	660.67	660.67	2.30	26.43	-90.72	3,576.62	-1,622.54	3,927.57	3,898.85	28.72	136.752					
800.00	799.10	760.10	760.10	2.66	30.40	-90.87	3,576.62	-1,622.54	3,927.72	3,894.66	33.06	118.795					
900.00	898.10	859.10	859.10	3.04	34.36	-91.07	3,576.62	-1,622.54	3,927.96	3,890.56	37.40	105.024					
1,000.00	996.55	957.55	957.55	3.43	38.30	-91.31	3,576.62	-1,622.54	3,928.33	3,886.60	41.73	94.130					
1,100.00	1,094.33	1,055.33	1,055.33	3.85	42.21	-91.60	3,576.62	-1,622.54	3,928.88	3,882.82	46.06	85.298					
1,200.00	1,191.32	1,152.32	1,152.32	4.29	46.09	-91.93	3,576.62	-1,622.54	3,929.65	3,879.27	50.38	77.995					
1,300.00	1,287.41	1,248.41	1,248.41	4.77	49.94	-92.30	3,576.62	-1,622.54	3,930.71	3,876.01	54.70	71.856					
1,326.58	1,312.78	1,273.78	1,273.78	4.90	50.95	-92.40	3,576.62	-1,622.54	3,931.05	3,875.20	55.85	70.386					
1,400.00	1,382.76	1,343.76	1,343.76	5.28	53.75	-92.71	3,576.62	-1,622.54	3,932.09	3,873.07	59.02	66.619					
1,500.00	1,478.07	1,439.07	1,439.07	5.80	57.56	-93.13	3,576.62	-1,622.54	3,933.70	3,870.35	63.36	62.086					
1,600.00	1,573.38	1,534.38	1,534.38	6.34	61.38	-93.55	3,576.62	-1,622.54	3,935.55	3,867.85	67.70	58.128					
1,700.00	1,668.69	1,629.69	1,629.69	6.88	65.19	-93.96	3,576.62	-1,622.54	3,937.63	3,865.57	72.06	54.645					
1,800.00	1,764.01	1,725.01	1,725.01	7.43	69.00	-94.38	3,576.62	-1,622.54	3,939.94	3,863.52	76.42	51.557					
1,900.00	1,859.32	1,820.32	1,820.32	7.99	72.81	-94.80	3,576.62	-1,622.54	3,942.48	3,861.70	80.78	48.802					
2,000.00	1,954.63	1,915.63	1,915.63	8.55	76.63	-95.22	3,576.62	-1,622.54	3,945.25	3,860.10	85.15	46.331					
2,100.00	2,049.95	2,010.95	2,010.95	9.11	80.44	-95.64	3,576.62	-1,622.54	3,948.25	3,858.73	89.53	44.102					
2,200.00	2,145.26	2,106.26	2,106.26	9.68	84.25	-96.05	3,576.62	-1,622.54	3,951.48	3,857.58	93.90	42.082					
2,300.00	2,240.57	2,201.57	2,201.57	10.25	88.06	-96.47	3,576.62	-1,622.54	3,954.94	3,856.67	98.28	40.243					
2,400.00	2,335.88	2,296.88	2,296.88	10.82	91.88	-96.88	3,576.62	-1,622.54	3,958.63	3,855.98	102.65	38.563					
2,500.00	2,431.20	2,392.20	2,392.20	11.40	95.69	-97.30	3,576.62	-1,622.54	3,962.55	3,855.52	107.03	37.023					
2,600.00	2,526.51	2,487.51	2,487.51	11.97	99.50	-97.71	3,576.62	-1,622.54	3,966.69	3,855.28	111.41	35.605					
2,700.00	2,621.82	2,582.82	2,582.82	12.55	103.31	-98.12	3,576.62	-1,622.54	3,971.06	3,855.27	115.79	34.296					
2,800.00	2,717.13	2,678.13	2,678.13	13.13	107.13	-98.54	3,576.62	-1,622.54	3,975.65	3,855.49	120.17	33.085					
2,900.00	2,812.45	2,773.45	2,773.45	13.70	110.94	-98.95	3,576.62	-1,622.54	3,980.47	3,855.93	124.54	31.960					
3,000.00	2,907.76	2,868.76	2,868.76	14.28	114.75	-99.36	3,576.62	-1,622.54	3,985.51	3,856.59	128.92	30.914					
3,100.00	3,003.07	2,964.07	2,964.07	14.86	118.56	-99.77	3,576.62	-1,622.54	3,990.78	3,857.48	133.30	29.938					
3,200.00	3,098.39	3,059.39	3,059.39	15.45	122.38	-100.17	3,576.62	-1,622.54	3,996.27	3,858.59	137.68	29.026					
3,300.00	3,193.70	3,154.70	3,154.70	16.03	126.19	-100.58	3,576.62	-1,622.54	4,001.97	3,859.92	142.05	28.172					
3,400.00	3,289.01	3,250.01	3,250.01	16.61	130.00	-100.99	3,576.62	-1,622.54	4,007.90	3,861.47	146.43	27.371					
3,500.00	3,384.32	3,345.32	3,345.32	17.19	133.81	-101.39	3,576.62	-1,622.54	4,014.05	3,863.25	150.81	26.617					
3,600.00	3,479.64	3,440.64	3,440.64	17.77	137.63	-101.80	3,576.62	-1,622.54	4,020.42	3,865.24	155.18	25.908					
3,700.00	3,574.95	3,535.95	3,535.95	18.36	141.44	-102.20	3,576.62	-1,622.54	4,027.00	3,867.45	159.55	25.239					
3,800.00	3,670.26	3,631.26	3,631.26	18.94	145.25	-102.60	3,576.62	-1,622.54	4,033.80	3,869.88	163.92	24.608					
3,900.00	3,765.57	3,726.57	3,726.57	19.52	149.06	-103.00	3,576.62	-1,622.54	4,040.82	3,872.52	168.29	24.010					
4,000.00	3,860.89	3,821.89	3,821.89	20.11	152.88	-103.40	3,576.62	-1,622.54	4,048.05	3,875.38	172.66	23.445					
4,100.00	3,956.20	3,917.20	3,917.20	20.69	156.69	-103.80	3,576.62	-1,622.54	4,055.49	3,878.46	177.03	22.908					
4,200.00	4,051.51	4,012.51	4,012.51	21.28	160.50	-104.19	3,576.62	-1,622.54	4,063.15	3,881.75	181.40	22.399					
4,285.36	4,132.87	4,093.87	4,093.87	21.78	163.75	-104.53	3,576.62	-1,622.54	4,069.85	3,884.72	185.13	21.984					
4,300.00	4,146.84	4,107.84	4,107.84	21.86	164.31	-100.64	3,576.62	-1,622.54	4,070.84	3,885.08	185.77	21.914					
4,350.00	4,194.75	4,155.75	4,155.75	22.13	166.23	-86.10	3,576.62	-1,622.54	4,071.77	3,883.82	187.94	21.665					
4,400.00	4,242.72	4,203.72	4,203.72	22.38	168.15	-71.04	3,576.62	-1,622.54	4,068.85	3,878.74	190.11	21.403					
4,450.00	4,290.45	4,251.45	4,251.45	22.60	170.06	-57.50	3,576.62	-1,622.54	4,062.10	3,869.85	192.25	21.130					
4,500.00	4,337.66	4,298.66	4,298.66	22.79	171.95	-46.52	3,576.62	-1,622.54	4,051.55	3,857.21	194.34	20.848					
4,550.00	4,384.05	4,345.05	4,345.05	22.96	173.80	-38.06	3,576.62	-1,622.54	4,037.27	3,840.89	196.38	20.558					



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - New Mexico Federal 3 - OH - OH													Offset Site Error:	0.00 ft			
Survey Program: 100-UNKNOWN													Offset Well Error:		0.00 ft		
Reference				Offset			Semi Major Axis		Offset Wellbore Centre		Distance			Rule Assigned:		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor					
4,600.00	4,429.34	4,390.34	4,390.34	23.11	175.61	-31.61	3,576.62	-1,622.54	4,019.33	3,820.97	198.36	20.263					
4,650.00	4,473.25	4,434.25	4,434.25	23.24	177.37	-26.64	3,576.62	-1,622.54	3,997.84	3,797.57	200.27	19.962					
4,700.00	4,515.50	4,476.50	4,476.50	23.36	179.06	-22.73	3,576.62	-1,622.54	3,972.92	3,770.83	202.09	19.659					
4,750.00	4,555.84	4,516.84	4,516.84	23.46	180.67	-19.56	3,576.62	-1,622.54	3,944.73	3,740.91	203.82	19.354					
4,800.00	4,594.01	4,555.01	4,555.01	23.54	182.20	-16.90	3,576.62	-1,622.54	3,913.43	3,707.98	205.45	19.048					
4,850.00	4,629.79	4,590.79	4,590.79	23.62	183.63	-14.60	3,576.62	-1,622.54	3,879.21	3,672.24	206.97	18.743					
4,900.00	4,662.95	4,623.95	4,623.95	23.68	184.96	-12.49	3,576.62	-1,622.54	3,842.27	3,633.89	208.37	18.439					
4,950.00	4,693.28	4,654.28	4,654.28	23.73	186.17	-10.47	3,576.62	-1,622.54	3,802.84	3,593.19	209.65	18.139					
5,000.00	4,720.61	4,681.61	4,681.61	23.77	187.26	-8.39	3,576.62	-1,622.54	3,761.15	3,550.36	210.80	17.843					
5,050.00	4,744.76	4,705.76	4,705.76	23.80	188.23	-6.06	3,576.62	-1,622.54	3,717.47	3,505.66	211.80	17.551					
5,100.00	4,765.58	4,726.58	4,726.58	23.83	189.06	-3.22	3,576.62	-1,622.54	3,672.05	3,459.38	212.67	17.267					
5,150.00	4,782.94	4,743.94	4,743.94	23.85	189.76	0.63	3,576.62	-1,622.54	3,625.18	3,411.79	213.39	16.989					
5,200.00	4,796.74	4,757.74	4,757.74	23.88	190.31	6.54	3,576.62	-1,622.54	3,577.14	3,363.19	213.95	16.719					
5,250.00	4,806.90	4,767.90	4,767.90	23.91	190.72	17.09	3,576.62	-1,622.54	3,528.23	3,313.87	214.36	16.459					
5,300.00	4,813.34	4,774.34	4,774.34	23.97	190.97	39.16	3,576.62	-1,622.54	3,478.76	3,264.14	214.62	16.209					
5,353.81	4,816.08	4,777.08	4,777.08	24.10	191.08	84.02	3,576.62	-1,622.54	3,425.23	3,210.51	214.73	15.952					
5,400.00	4,816.56	4,777.56	4,777.56	24.37	191.10	84.10	3,576.62	-1,622.54	3,379.28	3,164.54	214.74	15.737					
5,500.00	4,817.61	4,778.61	4,778.61	25.60	191.14	84.28	3,576.62	-1,622.54	3,279.81	3,065.04	214.77	15.271					
5,600.00	4,818.65	4,779.65	4,779.65	27.30	191.19	84.45	3,576.62	-1,622.54	3,180.37	2,965.56	214.81	14.806					
5,700.00	4,819.70	4,780.70	4,780.70	29.20	191.23	84.63	3,576.62	-1,622.54	3,080.97	2,866.12	214.85	14.340					
5,800.00	4,820.74	4,781.74	4,781.74	31.21	191.27	84.80	3,576.62	-1,622.54	2,981.61	2,766.71	214.90	13.874					
5,900.00	4,821.79	4,782.79	4,782.79	33.32	191.31	84.98	3,576.62	-1,622.54	2,882.29	2,667.33	214.96	13.409					
6,000.00	4,822.83	4,783.83	4,783.83	35.50	191.35	85.15	3,576.62	-1,622.54	2,783.02	2,568.00	215.02	12.943					
6,100.00	4,823.88	4,784.88	4,784.88	37.74	191.40	85.33	3,576.62	-1,622.54	2,683.80	2,468.70	215.10	12.477					
6,200.00	4,824.92	4,785.92	4,785.92	40.03	191.44	85.50	3,576.62	-1,622.54	2,584.64	2,369.46	215.19	12.011					
6,300.00	4,825.97	4,786.97	4,786.97	42.36	191.48	85.67	3,576.62	-1,622.54	2,485.55	2,270.26	215.29	11.545					
6,400.00	4,827.01	4,788.01	4,788.01	44.73	191.52	85.85	3,576.62	-1,622.54	2,386.54	2,171.13	215.41	11.079					
6,500.00	4,828.06	4,789.06	4,789.06	47.12	191.56	86.03	3,576.62	-1,622.54	2,287.61	2,072.05	215.56	10.612					
6,600.00	4,829.10	4,790.10	4,790.10	49.54	191.60	86.20	3,576.62	-1,622.54	2,188.78	1,973.04	215.73	10.146					
6,700.00	4,830.15	4,791.15	4,791.15	51.98	191.65	86.38	3,576.62	-1,622.54	2,090.06	1,874.11	215.94	9.679					
6,800.00	4,831.19	4,792.19	4,792.19	54.44	191.69	86.55	3,576.62	-1,622.54	1,991.46	1,775.27	216.19	9.212					
6,900.00	4,832.24	4,793.24	4,793.24	56.91	191.73	86.73	3,576.62	-1,622.54	1,893.01	1,676.52	216.49	8.744					
7,000.00	4,833.28	4,794.28	4,794.28	59.40	191.77	86.90	3,576.62	-1,622.54	1,794.74	1,577.88	216.86	8.276					
7,100.00	4,834.33	4,795.33	4,795.33	61.90	191.81	87.08	3,576.62	-1,622.54	1,696.66	1,479.36	217.30	7.808					
7,200.00	4,835.37	4,796.37	4,796.37	64.41	191.85	87.25	3,576.62	-1,622.54	1,598.82	1,380.97	217.85	7.339					
7,300.00	4,836.42	4,797.42	4,797.42	66.93	191.90	87.43	3,576.62	-1,622.54	1,501.27	1,282.75	218.52	6.870					
7,400.00	4,837.46	4,798.46	4,798.46	69.46	191.94	87.60	3,576.62	-1,622.54	1,404.06	1,184.71	219.35	6.401					
7,500.00	4,838.51	4,799.51	4,799.51	72.00	191.98	87.78	3,576.62	-1,622.54	1,307.26	1,086.88	220.38	5.932					
7,600.00	4,839.55	4,800.55	4,800.55	74.54	192.02	87.96	3,576.62	-1,622.54	1,210.99	989.32	221.67	5.463					
7,700.00	4,840.60	4,801.60	4,801.60	77.09	192.06	88.13	3,576.62	-1,622.54	1,115.38	892.08	223.30	4.995					
7,800.00	4,841.64	4,802.64	4,802.64	79.65	192.11	88.31	3,576.62	-1,622.54	1,020.60	795.25	225.36	4.529					
7,900.00	4,842.69	4,803.69	4,803.69	82.21	192.15	88.48	3,576.62	-1,622.54	926.93	698.94	227.98	4.066					
8,000.00	4,843.73	4,804.73	4,804.73	84.78	192.19	88.66	3,576.62	-1,622.54	834.71	603.36	231.36	3.608					
8,100.00	4,844.78	4,805.78	4,805.78	87.35	192.23	88.83	3,576.62	-1,622.54	744.52	508.80	235.72	3.159					
8,200.00	4,845.82	4,806.82	4,806.82	89.92	192.27	89.01	3,576.62	-1,622.54	657.16	415.78	241.38	2.723					
8,300.00	4,846.87	4,807.87	4,807.87	92.50	192.31	89.19	3,576.62	-1,622.54	573.94	325.22	248.72	2.308					
8,400.00	4,847.91	4,808.91	4,808.91	95.08	192.36	89.36	3,576.62	-1,622.54	496.95	238.80	258.15	1.925					
8,500.00	4,848.96	4,809.96	4,809.96	97.66	192.40	89.54	3,576.62	-1,622.54	429.54	159.80	269.74	1.592					
8,600.00	4,850.00	4,811.00	4,811.00	100.25	192.44	89.71	3,576.62	-1,622.54	376.89	94.38	282.52	1.334 Level 3					
8,700.00	4,851.05	4,812.05	4,812.05	102.84	192.48	89.89	3,576.62	-1,622.54	345.82	52.52	293.30	1.179 Level 3					
8,762.30	4,851.70	4,812.70	4,812.70	104.46	192.51	90.00	3,576.62	-1,622.54	340.16	43.22	296.94	1.146 Level 3, CC, ES, SF					
8,800.00	4,852.09	4,813.09	4,813.09	105.43	192.52	90.07	3,576.62	-1,622.54	342.24	44.67	297.57	1.150 Level 3					



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - New Mexico Federal 3 - OH - OH													Offset Site Error:	0.00 ft	
Survey Program: 100-UNKNOWN													Offset Well Error:		0.00 ft
Reference													Rule Assigned:		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Semi Major Axis Reference (ft)	Semi Major Axis Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre -E/-W (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Minimum Separation (ft)	Separation Factor	Warning		
8,900.00	4,853.14	4,814.14	4,814.14	108.03	192.57	90.24	3,576.62	-1,622.54	366.97	73.03	293.94	1.248	Level 3		
9,000.00	4,854.18	4,815.18	4,815.18	110.62	192.61	90.42	3,576.62	-1,622.54	414.97	129.36	285.62	1.453	Level 3		
9,100.00	4,855.22	4,816.22	4,816.22	113.22	192.65	90.59	3,576.62	-1,622.54	479.31	202.95	276.36	1.734			
9,200.00	4,856.27	4,817.27	4,817.27	115.82	192.69	90.77	3,576.62	-1,622.54	554.32	286.27	268.04	2.068			
9,300.00	4,857.31	4,818.31	4,818.31	118.42	192.73	90.95	3,576.62	-1,622.54	636.24	375.10	261.14	2.436			
9,400.00	4,858.36	4,819.36	4,819.36	121.03	192.77	91.12	3,576.62	-1,622.54	722.72	467.17	255.55	2.828			
9,500.00	4,859.40	4,820.40	4,820.40	123.63	192.82	91.30	3,576.62	-1,622.54	812.31	561.27	251.04	3.236			
9,600.00	4,860.45	4,821.45	4,821.45	126.24	192.86	91.47	3,576.62	-1,622.54	904.09	656.69	247.39	3.654			
9,700.00	4,861.49	4,822.49	4,822.49	128.85	192.90	91.65	3,576.62	-1,622.54	997.44	753.03	244.41	4.081			
9,800.00	4,862.54	4,823.54	4,823.54	131.45	192.94	91.83	3,576.62	-1,622.54	1,091.98	850.02	241.95	4.513			
9,900.00	4,863.58	4,824.58	4,824.58	134.06	192.98	92.00	3,576.62	-1,622.54	1,187.40	947.50	239.90	4.950			
10,000.00	4,864.63	4,825.63	4,825.63	136.68	193.03	92.18	3,576.62	-1,622.54	1,283.53	1,045.35	238.18	5.389			
10,100.00	4,865.67	4,826.67	4,826.67	139.29	193.07	92.35	3,576.62	-1,622.54	1,380.20	1,143.49	236.71	5.831			
10,200.00	4,866.72	4,827.72	4,827.72	141.90	193.11	92.53	3,576.62	-1,622.54	1,477.32	1,241.85	235.47	6.274			
10,300.00	4,867.76	4,828.76	4,828.76	144.51	193.15	92.70	3,576.62	-1,622.54	1,574.79	1,340.40	234.39	6.719			
10,400.00	4,868.81	4,829.81	4,829.81	147.13	193.19	92.88	3,576.62	-1,622.54	1,672.57	1,439.11	233.46	7.164			
10,500.00	4,869.85	4,830.85	4,830.85	149.74	193.23	93.06	3,576.62	-1,622.54	1,770.59	1,537.94	232.65	7.611			
10,600.00	4,870.90	4,831.90	4,831.90	152.36	193.28	93.23	3,576.62	-1,622.54	1,868.82	1,636.88	231.94	8.057			
10,700.00	4,871.94	4,832.94	4,832.94	154.98	193.32	93.41	3,576.62	-1,622.54	1,967.23	1,735.91	231.32	8.505			
10,800.00	4,872.99	4,833.99	4,833.99	157.60	193.36	93.58	3,576.62	-1,622.54	2,065.79	1,835.02	230.77	8.952			
10,900.00	4,874.03	4,835.03	4,835.03	160.21	193.40	93.76	3,576.62	-1,622.54	2,164.48	1,934.20	230.28	9.399			
11,000.00	4,875.08	4,836.08	4,836.08	162.83	193.44	93.93	3,576.62	-1,622.54	2,263.29	2,033.44	229.85	9.847			
11,100.00	4,876.12	4,837.12	4,837.12	165.45	193.48	94.11	3,576.62	-1,622.54	2,362.19	2,132.73	229.47	10.294			
11,200.00	4,877.17	4,838.17	4,838.17	168.07	193.53	94.28	3,576.62	-1,622.54	2,461.19	2,232.06	229.12	10.742			
11,300.00	4,878.21	4,839.21	4,839.21	170.69	193.57	94.46	3,576.62	-1,622.54	2,560.26	2,331.44	228.82	11.189			
11,400.00	4,879.26	4,840.26	4,840.26	173.32	193.61	94.63	3,576.62	-1,622.54	2,659.40	2,430.85	228.55	11.636			
11,500.00	4,880.30	4,841.30	4,841.30	175.94	193.65	94.81	3,576.62	-1,622.54	2,758.60	2,530.30	228.30	12.083			
11,600.00	4,881.35	4,842.35	4,842.35	178.56	193.69	94.98	3,576.62	-1,622.54	2,857.86	2,629.77	228.09	12.530			
11,700.00	4,882.39	4,843.39	4,843.39	181.18	193.74	95.16	3,576.62	-1,622.54	2,957.17	2,729.28	227.89	12.976			
11,800.00	4,883.44	4,844.44	4,844.44	183.81	193.78	95.33	3,576.62	-1,622.54	3,056.52	2,828.80	227.72	13.422			
11,900.00	4,884.48	4,845.48	4,845.48	186.43	193.82	95.50	3,576.62	-1,622.54	3,155.91	2,928.35	227.56	13.868			
12,000.00	4,885.53	4,846.53	4,846.53	189.05	193.86	95.68	3,576.62	-1,622.54	3,255.34	3,027.92	227.43	14.314			
12,100.00	4,886.57	4,847.57	4,847.57	191.68	193.90	95.85	3,576.62	-1,622.54	3,354.81	3,127.50	227.30	14.759			
12,200.00	4,887.62	4,848.62	4,848.62	194.30	193.94	96.03	3,576.62	-1,622.54	3,454.30	3,227.11	227.20	15.204			
12,300.00	4,888.66	4,849.66	4,849.66	196.93	193.99	96.20	3,576.62	-1,622.54	3,553.82	3,326.72	227.10	15.649			
12,400.00	4,889.71	4,850.71	4,850.71	199.56	194.03	96.38	3,576.62	-1,622.54	3,653.37	3,426.36	227.02	16.093			
12,500.00	4,890.75	4,851.75	4,851.75	202.18	194.07	96.55	3,576.62	-1,622.54	3,752.94	3,526.00	226.94	16.537			
12,522.60	4,890.99	4,851.99	4,851.99	202.77	194.08	96.59	3,576.62	-1,622.54	3,775.45	3,548.53	226.93	16.637			



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - South Bisti 21-C - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 365-INCLINOMETER													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.00	0.00	0.00	0.00	0.00	0.00	59.22	606.06	1,017.36	1,184.51					
100.00	100.00	73.00	73.00	0.15	1.11	59.22	606.06	1,017.36	1,184.20	1,182.94	1.26	937.787		
200.00	200.00	173.00	173.00	0.51	2.63	59.22	606.06	1,017.36	1,184.20	1,181.06	3.14	377.181		
300.00	300.00	273.00	273.00	0.87	4.15	59.22	606.06	1,017.36	1,184.20	1,179.19	5.02	236.063		
400.00	400.00	373.00	373.00	1.23	5.79	59.22	606.06	1,017.36	1,184.20	1,177.19	7.01	168.814		
445.98	445.98	418.98	418.98	1.39	7.18	59.22	606.06	1,017.36	1,184.20	1,175.63	8.58	138.084		
500.00	500.00	473.00	473.00	1.59	8.82	-6.94	606.06	1,017.36	1,183.70	1,173.29	10.41	113.734		
600.00	599.93	572.93	572.93	1.94	11.86	-6.97	606.06	1,017.36	1,180.09	1,166.30	13.80	85.544		
700.00	699.67	672.87	672.87	2.30	14.89	-7.05	606.35	1,017.36	1,173.18	1,155.99	17.19	68.254		
800.00	799.10	772.79	772.79	2.66	17.93	-7.13	606.27	1,017.36	1,162.63	1,142.04	20.58	56.483		
900.00	898.10	872.26	872.26	3.04	20.95	-7.25	606.12	1,017.36	1,148.60	1,124.63	23.97	47.921		
1,000.00	996.55	969.57	969.55	3.43	23.90	-7.40	606.06	1,017.36	1,131.21	1,103.92	27.29	41.451		
1,100.00	1,094.33	1,067.35	1,067.33	3.85	26.87	-7.60	606.06	1,017.36	1,110.45	1,079.82	30.63	36.254		
1,200.00	1,191.32	1,164.34	1,164.32	4.29	29.82	-7.84	606.06	1,017.36	1,086.33	1,052.38	33.95	32.000		
1,300.00	1,287.41	1,261.13	1,261.11	4.77	32.76	-8.15	606.62	1,017.36	1,059.18	1,021.91	37.27	28.423		
1,326.58	1,312.78	1,286.71	1,286.69	4.90	33.53	-8.23	606.58	1,017.36	1,051.31	1,013.16	38.15	27.559		
1,400.00	1,382.76	1,357.28	1,357.26	5.28	35.68	-8.40	606.43	1,017.36	1,029.22	988.66	40.56	25.372		
1,500.00	1,478.07	1,453.36	1,453.34	5.80	38.59	-8.64	606.09	1,017.36	999.09	955.23	43.86	22.780		
1,600.00	1,573.38	1,546.43	1,546.38	6.34	41.42	-8.90	606.06	1,017.36	969.14	922.07	47.07	20.591		
1,700.00	1,668.69	1,641.74	1,641.69	6.88	44.32	-9.19	606.06	1,017.36	939.22	888.88	50.35	18.655		
1,800.00	1,764.01	1,737.38	1,737.32	7.43	47.22	-9.54	606.88	1,017.36	909.78	856.14	53.64	16.961		
1,900.00	1,859.32	1,833.90	1,833.84	7.99	50.15	-9.86	606.70	1,017.36	879.81	822.85	56.96	15.446		
2,000.00	1,954.63	1,930.36	1,930.30	8.55	53.08	-10.19	606.27	1,017.36	849.75	789.46	60.28	14.096		
2,100.00	2,049.95	2,023.04	2,022.95	9.11	55.89	-10.54	606.06	1,017.36	819.82	756.32	63.50	12.910		
2,200.00	2,145.26	2,118.35	2,118.26	9.68	58.79	-10.94	606.06	1,017.36	790.04	723.24	66.80	11.828		
2,300.00	2,240.57	2,213.67	2,213.57	10.25	61.68	-11.42	606.87	1,017.36	760.77	690.67	70.10	10.853		
2,400.00	2,335.88	2,310.06	2,309.96	10.82	64.61	-11.89	606.75	1,017.36	731.01	657.58	73.43	9.955		
2,500.00	2,431.20	2,406.40	2,406.29	11.40	67.54	-12.37	606.38	1,017.36	701.15	624.39	76.76	9.134		
2,600.00	2,526.51	2,499.66	2,499.51	11.97	70.37	-12.89	606.06	1,017.36	671.37	591.36	80.01	8.391		
2,700.00	2,621.82	2,594.97	2,594.82	12.55	73.26	-13.49	606.06	1,017.36	641.84	558.52	83.33	7.703		
2,800.00	2,717.13	2,690.28	2,690.13	13.13	76.16	-14.15	606.06	1,017.36	612.39	525.74	86.64	7.068		
2,900.00	2,812.45	2,786.40	2,786.24	13.70	79.08	-14.97	607.12	1,017.36	583.66	493.67	89.99	6.486		
3,000.00	2,907.76	2,882.84	2,882.67	14.28	82.00	-15.75	606.75	1,017.36	554.16	460.81	93.35	5.936		
3,100.00	3,003.07	2,979.20	2,979.03	14.86	84.93	-16.60	606.07	1,017.36	524.57	427.86	96.71	5.424		
3,200.00	3,098.39	3,073.98	3,073.73	15.45	87.81	-17.60	606.23	1,017.36	495.63	395.59	100.05	4.954		
3,300.00	3,193.70	3,166.97	3,166.70	16.03	90.63	-18.68	606.06	1,017.36	466.63	363.28	103.35	4.515		
3,400.00	3,289.01	3,262.29	3,262.01	16.61	93.53	-19.94	606.06	1,017.36	437.93	331.21	106.72	4.104		
3,500.00	3,384.32	3,357.60	3,357.32	17.19	96.42	-21.37	606.06	1,017.36	409.45	299.34	110.11	3.719		
3,600.00	3,479.64	3,454.01	3,453.71	17.77	99.35	-23.17	607.33	1,017.36	382.16	268.60	113.56	3.365		
3,700.00	3,574.95	3,550.35	3,550.04	18.36	102.28	-25.04	606.76	1,017.36	353.91	236.89	117.02	3.024		
3,800.00	3,670.26	3,643.66	3,643.26	18.94	105.11	-27.14	606.06	1,017.36	325.95	205.49	120.46	2.706		
3,900.00	3,765.57	3,738.98	3,738.57	19.52	108.00	-29.76	606.06	1,017.36	299.06	175.07	123.99	2.412		
4,000.00	3,860.89	3,834.29	3,833.89	20.11	110.90	-32.87	606.06	1,017.36	272.88	145.28	127.59	2.139		
4,100.00	3,956.20	3,930.62	3,930.19	20.69	113.82	-36.77	607.02	1,017.36	248.45	117.14	131.31	1.892		
4,200.00	4,051.51	4,026.90	4,026.46	21.28	116.75	-41.28	606.34	1,017.36	223.87	88.76	135.11	1.657		
4,285.36	4,132.87	4,106.34	4,105.87	21.78	119.16	-45.80	606.06	1,017.36	204.44	66.02	138.41	1.477	Level 3	
4,300.00	4,146.84	4,120.31	4,119.84	21.86	119.58	-42.42	606.06	1,017.36	201.23	62.24	138.99	1.448	Level 3	
4,350.00	4,194.75	4,168.22	4,167.75	22.13	121.04	-29.10	606.06	1,017.36	189.50	48.60	140.90	1.345	Level 3	
4,400.00	4,242.72	4,216.18	4,215.72	22.38	122.50	-14.41	606.06	1,017.36	176.36	33.65	142.71	1.236	Level 3	
4,450.00	4,290.45	4,263.92	4,263.45	22.60	123.95	-0.13	606.06	1,017.36	161.63	17.25	144.38	1.119	Level 3	
4,500.00	4,337.66	4,311.13	4,310.66	22.79	125.38	13.05	606.06	1,017.36	145.30	-0.59	145.89	0.996	Level 3	
4,550.00	4,384.05	4,357.59	4,357.12	22.96	126.79	25.57	606.97	1,017.36	128.49	-18.71	147.19	0.873	Level 3	



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - South Bisti 21-C - OH - OH													Offset Site Error:	0.00 ft		
Survey Program: 365-INCLINOMETER													Rule Assigned:		Offset Well Error:	0.00 ft
Measured Reference		Measured Offset		Semi Major Axis		Highside Toolface	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning			
Depth (ft)	Vertical Depth (ft)	Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)						
4,600.00	4,429.34	4,402.98	4,402.50	23.11	128.17	39.02	606.92	1,017.36	110.10	-38.06	148.16	0.743	Level 3			
4,650.00	4,473.25	4,446.93	4,446.45	23.24	129.50	54.87	606.83	1,017.36	92.61	-56.05	148.66	0.623	Level 3			
4,700.00	4,515.50	4,489.17	4,488.69	23.36	130.79	74.03	606.70	1,017.36	79.40	-69.45	148.84	0.533	Level 3			
4,738.36	4,546.63	4,520.26	4,519.78	23.43	131.73	90.17	606.57	1,017.36	75.61	-73.90	149.50	0.506	Level 3, CC, SF			
4,750.00	4,555.84	4,529.44	4,528.96	23.46	132.01	95.03	606.53	1,017.36	75.99	-73.93	149.93	0.507	Level 3, ES			
4,800.00	4,594.01	4,567.49	4,567.00	23.54	133.16	114.11	606.34	1,017.36	86.56	-66.12	152.68	0.567	Level 3			
4,850.00	4,629.79	4,603.07	4,602.59	23.62	134.25	128.84	606.13	1,017.36	109.42	-45.99	155.41	0.704	Level 3			
4,900.00	4,662.95	4,636.48	4,635.95	23.68	135.26	139.48	606.06	1,017.36	140.40	-17.03	157.42	0.892	Level 3			
4,950.00	4,693.28	4,666.82	4,666.28	23.73	136.18	146.99	606.06	1,017.36	176.60	17.70	158.90	1.111	Level 3			
5,000.00	4,720.61	4,694.15	4,693.61	23.77	137.01	152.48	606.06	1,017.36	216.48	56.43	160.05	1.353	Level 3			
5,050.00	4,744.76	4,718.29	4,717.76	23.80	137.74	156.63	606.06	1,017.36	259.13	98.16	160.97	1.610				
5,100.00	4,765.58	4,739.11	4,738.58	23.83	138.38	159.91	606.06	1,017.36	303.96	142.23	161.73	1.879				
5,150.00	4,782.94	4,756.48	4,755.94	23.85	138.90	162.68	606.06	1,017.36	350.51	188.18	162.33	2.159				
5,200.00	4,796.74	4,770.28	4,769.74	23.88	139.32	165.29	606.06	1,017.36	398.40	235.60	162.80	2.447				
5,250.00	4,806.90	4,780.43	4,779.90	23.91	139.63	168.34	606.06	1,017.36	447.29	284.16	163.14	2.742				
5,300.00	4,813.34	4,786.87	4,786.34	23.97	139.83	174.03	606.06	1,017.36	496.85	333.51	163.34	3.042				
5,353.81	4,816.08	4,789.62	4,789.08	24.10	139.91	-126.75	606.06	1,017.36	550.58	387.15	163.43	3.369				
5,400.00	4,816.56	4,790.10	4,789.56	24.37	139.92	-128.99	606.06	1,017.36	596.76	433.32	163.44	3.651				
5,500.00	4,817.61	4,791.14	4,790.61	25.60	139.96	-133.38	606.06	1,017.36	696.75	533.28	163.47	4.262				
5,600.00	4,818.65	4,792.19	4,791.65	27.30	139.99	-137.22	606.06	1,017.36	796.73	633.23	163.50	4.873				
5,700.00	4,819.70	4,793.23	4,792.70	29.20	140.02	-140.58	606.06	1,017.36	896.73	733.19	163.53	5.483				
5,800.00	4,820.74	4,794.28	4,793.74	31.21	140.05	-143.51	606.06	1,017.36	996.72	833.15	163.57	6.094				
5,900.00	4,821.79	4,795.32	4,794.79	33.32	140.08	-146.09	606.06	1,017.36	1,096.71	933.10	163.60	6.703				
6,000.00	4,822.83	4,796.37	4,795.83	35.50	140.12	-148.37	606.06	1,017.36	1,196.70	1,033.06	163.64	7.313				
6,100.00	4,823.88	4,797.41	4,796.88	37.74	140.15	-150.38	606.06	1,017.36	1,296.69	1,133.02	163.68	7.922				
6,200.00	4,824.92	4,798.46	4,797.92	40.03	140.18	-152.18	606.06	1,017.36	1,396.69	1,232.97	163.72	8.531				
6,300.00	4,825.97	4,799.50	4,798.97	42.36	140.21	-153.78	606.06	1,017.36	1,496.68	1,332.92	163.76	9.140				
6,400.00	4,827.01	4,800.55	4,800.01	44.73	140.24	-155.22	606.06	1,017.36	1,596.67	1,432.88	163.80	9.748				
6,500.00	4,828.06	4,801.59	4,801.06	47.12	140.27	-156.52	606.06	1,017.36	1,696.67	1,532.83	163.84	10.356				
6,600.00	4,829.10	4,802.64	4,802.10	49.54	140.31	-157.69	606.06	1,017.36	1,796.66	1,632.78	163.88	10.963				
6,700.00	4,830.15	4,803.68	4,803.15	51.98	140.34	-158.76	606.06	1,017.36	1,896.65	1,732.73	163.92	11.570				
6,800.00	4,831.19	4,804.73	4,804.19	54.44	140.37	-159.74	606.06	1,017.36	1,996.65	1,832.68	163.97	12.177				
6,900.00	4,832.24	4,805.77	4,805.24	56.91	140.40	-160.63	606.06	1,017.36	2,096.64	1,932.63	164.01	12.783				
7,000.00	4,833.28	4,806.82	4,806.28	59.40	140.43	-161.45	606.06	1,017.36	2,196.63	2,032.58	164.06	13.389				
7,100.00	4,834.33	4,807.86	4,807.33	61.90	140.46	-162.20	606.06	1,017.36	2,296.63	2,132.52	164.10	13.995				
7,200.00	4,835.37	4,808.91	4,808.37	64.41	140.50	-162.90	606.06	1,017.36	2,396.62	2,232.47	164.15	14.600				
7,300.00	4,836.42	4,809.95	4,809.42	66.93	140.53	-163.55	606.06	1,017.36	2,496.62	2,332.42	164.20	15.205				
7,400.00	4,837.46	4,811.00	4,810.46	69.46	140.56	-164.15	606.06	1,017.36	2,596.61	2,432.36	164.25	15.809				
7,500.00	4,838.51	4,812.04	4,811.51	72.00	140.59	-164.71	606.06	1,017.36	2,696.60	2,532.31	164.30	16.413				
7,600.00	4,839.55	4,813.09	4,812.55	74.54	140.62	-165.23	606.06	1,017.36	2,796.60	2,632.25	164.35	17.016				
7,700.00	4,840.60	4,814.13	4,813.60	77.09	140.65	-165.72	606.06	1,017.36	2,896.59	2,732.19	164.40	17.619				
7,800.00	4,841.64	4,815.18	4,814.64	79.65	140.69	-166.18	606.06	1,017.36	2,996.59	2,832.14	164.45	18.222				
7,900.00	4,842.69	4,816.22	4,815.69	82.21	140.72	-166.61	606.06	1,017.36	3,096.58	2,932.08	164.50	18.824				
8,000.00	4,843.73	4,817.27	4,816.73	84.78	140.75	-167.01	606.06	1,017.36	3,196.58	3,032.02	164.56	19.425				
8,100.00	4,844.78	4,818.31	4,817.78	87.35	140.78	-167.40	606.06	1,017.36	3,296.57	3,131.96	164.61	20.026				
8,200.00	4,845.82	4,819.36	4,818.82	89.92	140.81	-167.76	606.06	1,017.36	3,396.56	3,231.90	164.67	20.627				
8,300.00	4,846.87	4,820.40	4,819.87	92.50	140.85	-168.10	606.06	1,017.36	3,496.56	3,331.84	164.72	21.227				
8,400.00	4,847.91	4,821.45	4,820.91	95.08	140.88	-168.42	606.06	1,017.36	3,596.55	3,431.77	164.78	21.826				
8,500.00	4,848.96	4,822.49	4,821.96	97.66	140.91	-168.72	606.06	1,017.36	3,696.55	3,531.71	164.84	22.425				
8,600.00	4,850.00	4,823.54	4,823.00	100.25	140.94	-169.01	606.06	1,017.36	3,796.54	3,631.65	164.90	23.024				
8,700.00	4,851.05	4,824.58	4,824.05	102.84	140.97	-169.29	606.06	1,017.36	3,896.54	3,731.58	164.95	23.622				
8,800.00	4,852.09	4,825.62	4,825.09	105.43	141.00	-169.55	606.06	1,017.36	3,996.53	3,831.52	165.01	24.219				



Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Offset Design: WC 21-1 Pad - South Bisti 21-C - OH - OH													Offset Site Error:	0.00 ft
Survey Program: 365-INCLINOMETER													Offset Well Error:	0.00 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (ft)	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
8,900.00	4,853.14	4,826.67	4,826.14	108.03	141.04	-169.80	606.06	1,017.36	4,096.52	3,931.45	165.07	24.816		
9,000.00	4,854.18	4,827.71	4,827.18	110.62	141.07	-170.04	606.06	1,017.36	4,196.52	4,031.38	165.13	25.413		
9,100.00	4,855.22	4,828.76	4,828.22	113.22	141.10	-170.26	606.06	1,017.36	4,296.51	4,131.32	165.20	26.008		
9,200.00	4,856.27	4,829.80	4,829.27	115.82	141.13	-170.48	606.06	1,017.36	4,396.51	4,231.25	165.26	26.604		
9,300.00	4,857.31	4,830.85	4,830.31	118.42	141.16	-170.69	606.06	1,017.36	4,496.50	4,331.18	165.32	27.198		
9,400.00	4,858.36	4,831.89	4,831.36	121.03	141.19	-170.89	606.06	1,017.36	4,596.50	4,431.11	165.39	27.792		
9,500.00	4,859.40	4,832.94	4,832.40	123.63	141.23	-171.08	606.06	1,017.36	4,696.49	4,531.04	165.45	28.386		
9,600.00	4,860.45	4,833.98	4,833.45	126.24	141.26	-171.26	606.06	1,017.36	4,796.49	4,630.97	165.52	28.979		
9,700.00	4,861.49	4,835.03	4,834.49	128.85	141.29	-171.44	606.06	1,017.36	4,896.48	4,730.90	165.58	29.571		
9,800.00	4,862.54	4,836.07	4,835.54	131.45	141.32	-171.61	606.06	1,017.36	4,996.47	4,830.82	165.65	30.163		
9,900.00	4,863.58	4,837.12	4,836.58	134.06	141.35	-171.77	606.06	1,017.36	5,096.47	4,930.75	165.72	30.754		
10,000.00	4,864.63	4,838.16	4,837.63	136.68	141.38	-171.93	606.06	1,017.36	5,196.46	5,030.68	165.79	31.345		
10,100.00	4,865.67	4,839.21	4,838.67	139.29	141.42	-172.08	606.06	1,017.36	5,296.46	5,130.60	165.85	31.934		
10,200.00	4,866.72	4,840.25	4,839.72	141.90	141.45	-172.22	606.06	1,017.36	5,396.45	5,230.53	165.92	32.524		
10,300.00	4,867.76	4,841.30	4,840.76	144.51	141.48	-172.36	606.06	1,017.36	5,496.45	5,330.45	165.99	33.112		
10,400.00	4,868.81	4,842.34	4,841.81	147.13	141.51	-172.50	606.06	1,017.36	5,596.44	5,430.38	166.07	33.700		
10,500.00	4,869.85	4,843.39	4,842.85	149.74	141.54	-172.63	606.06	1,017.36	5,696.44	5,530.30	166.14	34.288		
10,600.00	4,870.90	4,844.43	4,843.90	152.36	141.57	-172.75	606.06	1,017.36	5,796.43	5,630.22	166.21	34.874		
10,700.00	4,871.94	4,845.48	4,844.94	154.98	141.61	-172.87	606.06	1,017.36	5,896.42	5,730.14	166.28	35.460		
10,800.00	4,872.99	4,846.52	4,845.99	157.60	141.64	-172.99	606.06	1,017.36	5,996.42	5,830.06	166.36	36.046		
10,900.00	4,874.03	4,847.57	4,847.03	160.21	141.67	-173.11	606.06	1,017.36	6,096.41	5,929.98	166.43	36.630		
11,000.00	4,875.08	4,848.61	4,848.08	162.83	141.70	-173.22	606.06	1,017.36	6,196.41	6,029.90	166.51	37.214		
11,100.00	4,876.12	4,849.66	4,849.12	165.45	141.73	-173.32	606.06	1,017.36	6,296.40	6,129.82	166.58	37.798		
11,200.00	4,877.17	4,850.70	4,850.17	168.07	141.77	-173.43	606.06	1,017.36	6,396.40	6,229.74	166.66	38.380		
11,300.00	4,878.21	4,851.75	4,851.21	170.69	141.80	-173.53	606.06	1,017.36	6,496.39	6,329.66	166.74	38.962		
11,400.00	4,879.26	4,852.79	4,852.26	173.32	141.83	-173.62	606.06	1,017.36	6,596.39	6,429.57	166.81	39.544		
11,500.00	4,880.30	4,853.84	4,853.30	175.94	141.86	-173.72	606.06	1,017.36	6,696.38	6,529.49	166.89	40.124		
11,600.00	4,881.35	4,854.88	4,854.35	178.56	141.89	-173.81	606.06	1,017.36	6,796.37	6,629.40	166.97	40.704		
11,700.00	4,882.39	4,855.93	4,855.39	181.18	141.92	-173.90	606.06	1,017.36	6,896.37	6,729.32	167.05	41.283		
11,800.00	4,883.44	4,856.97	4,856.44	183.81	141.96	-173.99	606.06	1,017.36	6,996.36	6,829.23	167.13	41.862		
11,900.00	4,884.48	4,858.02	4,857.48	186.43	141.99	-174.07	606.06	1,017.36	7,096.36	6,929.15	167.21	42.439		
12,000.00	4,885.53	4,859.06	4,858.53	189.05	142.02	-174.15	606.06	1,017.36	7,196.35	7,029.06	167.29	43.016		
12,100.00	4,886.57	4,860.11	4,859.57	191.68	142.05	-174.23	606.06	1,017.36	7,296.35	7,128.97	167.38	43.593		
12,200.00	4,887.62	4,861.15	4,860.62	194.30	142.08	-174.31	606.06	1,017.36	7,396.34	7,228.88	167.46	44.168		
12,300.00	4,888.66	4,862.20	4,861.66	196.93	142.11	-174.38	606.06	1,017.36	7,496.34	7,328.79	167.54	44.743		
12,400.00	4,889.71	4,863.24	4,862.71	199.56	142.15	-174.46	606.06	1,017.36	7,596.33	7,428.70	167.63	45.317		
12,500.00	4,890.75	4,864.28	4,863.75	202.18	142.18	-174.53	606.06	1,017.36	7,696.32	7,528.61	167.71	45.890		
12,522.60	4,890.99	4,864.52	4,863.99	202.77	142.19	-174.54	606.06	1,017.36	7,718.93	7,551.20	167.73	46.020		



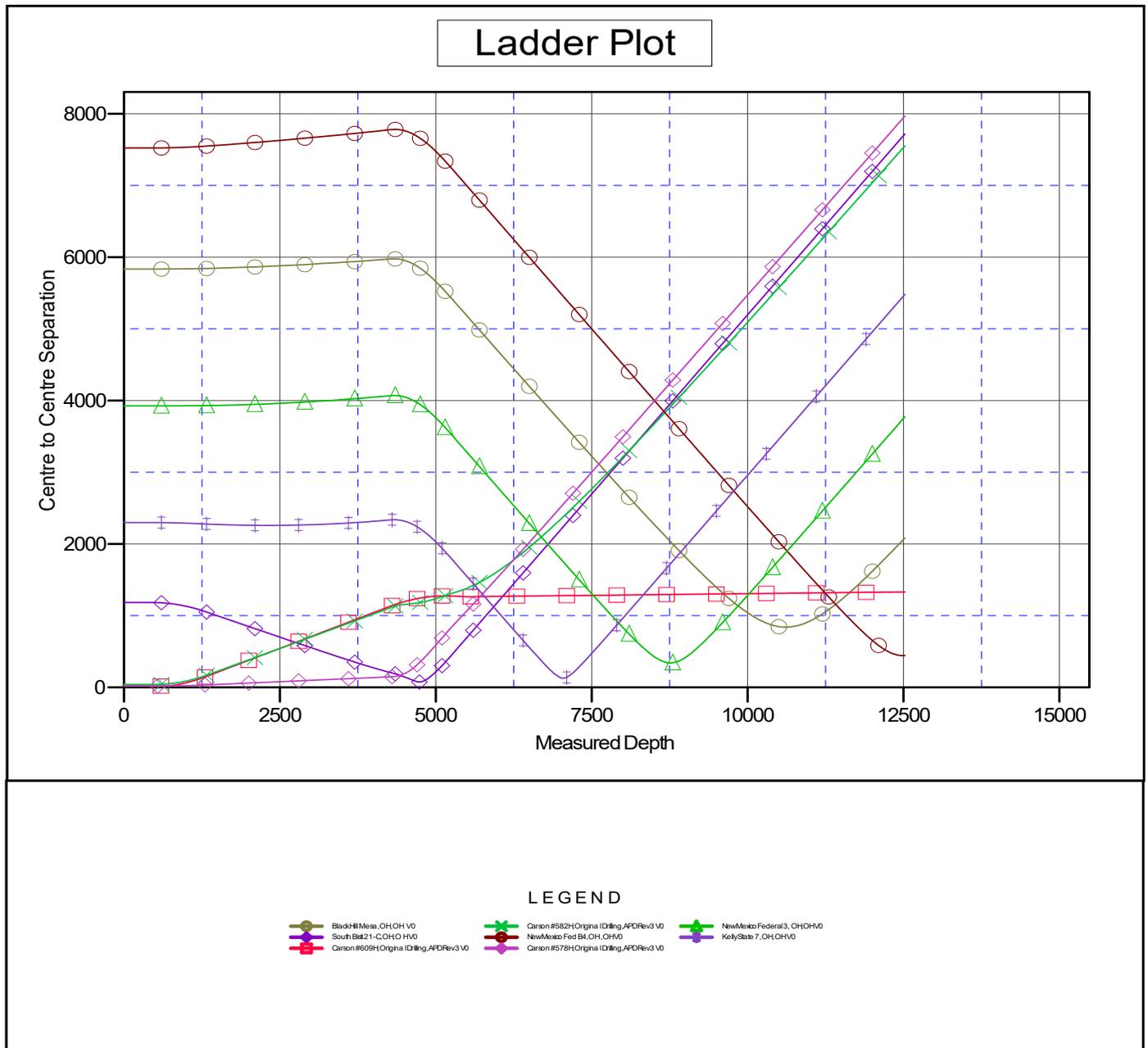
Lonestar Consulting, LLC
Anticollision Report



Company:	DJR Operating	Local Co-ordinate Reference:	Well Carson #605H - Slot 3
Project:	Proposed Carson Unit	TVD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Reference Site:	WC 21-1 Pad	MD Reference:	GL 6296' & RKB 14' @ 6309.99ft
Site Error:	0.00 ft	North Reference:	True
Reference Well:	Carson #605H	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 ft	Output errors are at	2.00 sigma
Reference Wellbore	Original Drilling	Database:	Grand Junction
Reference Design:	APD Rev 3	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL 6296' & RKB 14' @ 6309.99ft
 Offset Depths are relative to Offset Datum
 Central Meridian is -107.833

Coordinates are relative to: Carson #605H - Slot 3
 Coordinate System is US State Plane 1983, New Mexico Western Zone
 Grid Convergence at Surface is: -0.17°

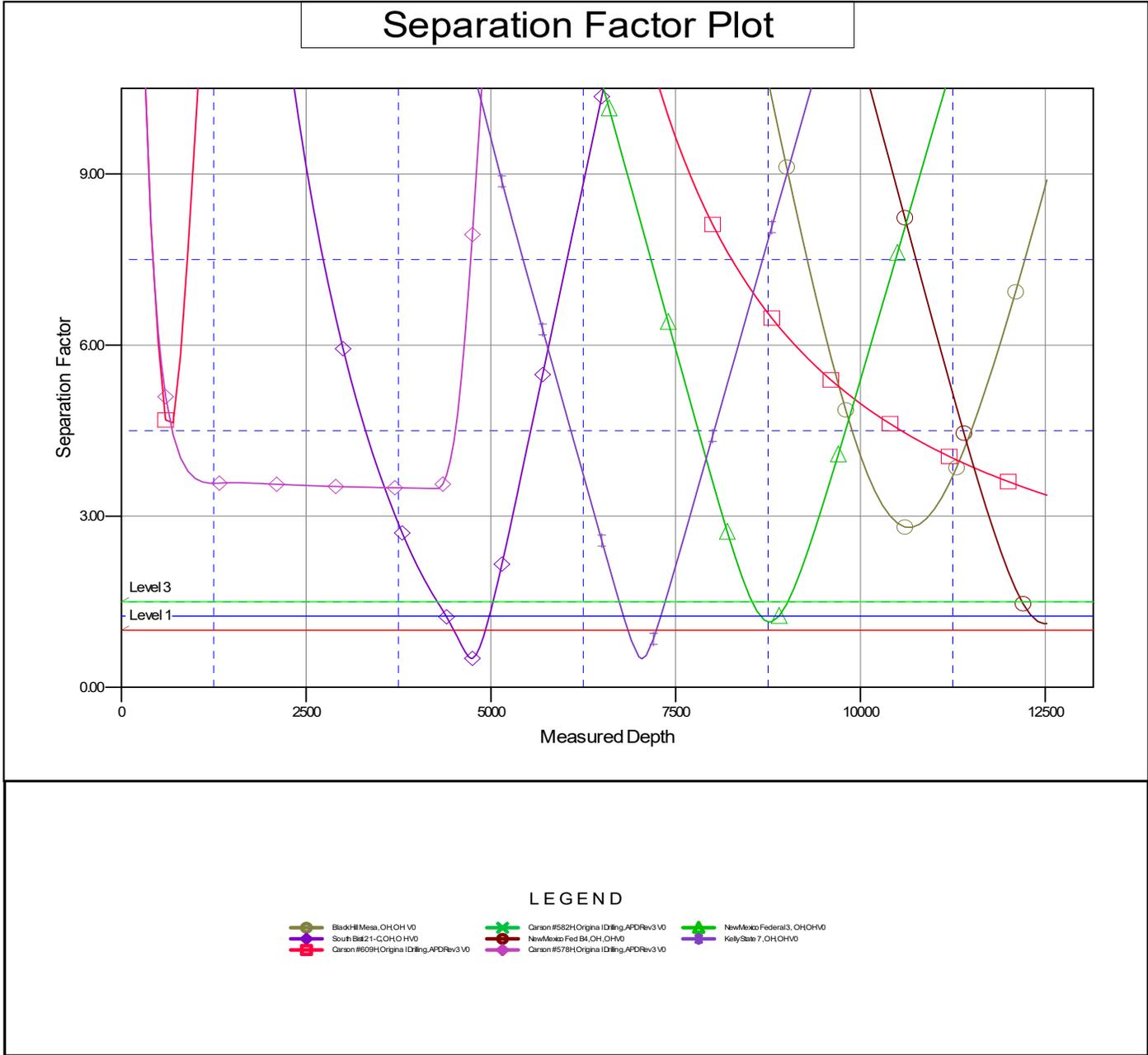




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United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Farmington District Office
6251 College Blvd, Suite A
Farmington, New Mexico 87402

In Reply Refer To:
3162.3-1(NMF0110)

* DJR OPERATING LLC
#605H CARSON UNIT
Lease: NMSF078065 Agreement: NMNM78385A
SH: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 21, T.25 N., R.12 W.
San Juan County, New Mexico
BH: NE $\frac{1}{4}$ NW $\frac{1}{4}$ Section 17, T.25 N., R.12 W.
San Juan County, New Mexico
***Above Data Required on Well Sign**

GENERAL REQUIREMENTS FOR OIL AND GAS OPERATIONS ON FEDERAL AND INDIAN LEASES

The following special requirements apply and are effective when **checked**:

- A. Note all surface/drilling conditions of approval attached.
- B. The required wait on cement (WOC) time will be a minimum of 500 psi compressive strength at 60 degrees. Blowout preventor (BOP) nipple-up operations may then be initiated
- C. Test the surface casing to a minimum of _____ psi for 30 minutes.
- D. Test all casing strings below the surface casing to .22 psi/ft. of casing string length or 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield burst) for a minimum of 30 minutes.
- E. Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the Bureau of Land Management, New Mexico State Office, Reservoir Management Group, 301 Dinosaur Trail, Santa Fe, New Mexico 87508.
The effective date of the agreement must be **prior** to any sales.
- F. The use of co-flex hose is authorized contingent upon the following:
 - 1. From the BOP to the choke manifold: the co-flex hose must be hobbled on both ends and saddle to prevent whip.
 - 2. From the choke manifold to the discharge tank: the co-flex hoses must be as straight as practical, hobbled on both ends and anchored to prevent whip.
 - 3. The co-flex hose pressure rating must be at least commensurate with approved BOPE.

INTERIOR REGION 7 • UPPER COLORADO BASIN

COLORADO, NEW MEXICO, UTAH, WYOMING

I. GENERAL

- A. Full compliance with all applicable laws and regulations, with the approved Permit to drill, and with the approved Surface Use and Operations Plan is required. Lessees and/or operators are fully accountable for the actions of their contractors and subcontractors. Failure to comply with these requirements and the filing of required reports will result in strict enforcement pursuant to 43 CFR 3163.1 or 3163.2.
- B. Each well shall have a well sign in legible condition from spud date to final abandonment. The sign should show the operator's name, lease serial number, or unit name, well number, location of the well, and whether lease is Tribal or Allotted, (See 43 CFR 3162.6(b)).
- C. A complete copy of the approved Application for Permit to Drill, along with any conditions of approval, shall be available to authorized personnel at the drill site whenever active drilling operations are under way.
- D. For Wildcat wells only, a drilling operations progress report is to be submitted, to the BLM-Field Office, weekly from the spud date until the well is completed and the Well Completion Report is filed. The report should be on 8-1/2 x 11 inch paper, and each page should identify the well by; operator's name, well number, location and lease number.
- E. As soon as practical, notice is required of all blowouts, fires and accidents involving life-threatening injuries or loss of life. (See NTL-3A).
- F. BOP equipment (except the annular preventer) shall be tested utilizing a test plug to full working pressure for 10 minutes. No bleed-off of pressure is acceptable. (See 43 CFR 3172.6(b)(9)(ii)).
- G. The operator shall have sufficient weighting materials and lost circulation materials on location in the event of a pressure kick or in the event of lost circulation. (See 43 CFR 3172.8(a)).
- H. The flare line(s) discharge shall be located not less than 100 feet from the well head, having straight lines unless turns are targeted with running tees, and shall be positioned downwind of the prevailing wind direction and shall be anchored. The flare system shall have an effective method for ignition. Where noncombustible gas is likely or expected to be vented, the system shall be provided supplemental fuel for ignition and to maintain a continuous flare. (See 43 CFR 3172.8(b)(7)).
- I. Prior approval by the BLM-Authorized Office (Drilling and Production Section) is required for variance from the approved drilling program and before commencing plugging operations, plug back work, casing repair work, corrective cementing operations, or suspending drilling operations indefinitely. Emergency approval may be obtained orally, but such approval is contingent upon filing of a Notice of Intent sundry within three business days. **Any changes to the approved plan or any questions regarding drilling operations should be directed to BLM during regular business hours at 505-564-7600. Emergency program changes after hours should be directed to Virgil Lucero at 505-793-1836.**
- J. **The Inspection and Enforcement Section (I&E), phone number (505-564-7750) is to be notified at least 24 hours in advance of BOP test, spudding, cementing, or plugging operations so that a BLM representative may witness the operations.**

- K. From the time drilling operations are initiated and until drilling operations are completed, a member of the drilling crew or the tool pusher shall maintain rig surveillance at all times, unless the well is secured with blowout preventers or cement plugs.
- L. If for any reason, drilling operations are suspended for more than 90 days, a written notice must be provided to this office outlining your plans for this well.
- M. **Commingling:** No production (oil, gas, and water) from the subject well should start until Sundry Notices (if necessary) granting variances from applicable regulations as related to commingling and off-lease measurement are approved by this office. (See 43 CFR 3173.14)

II. REPORTING REQUIREMENTS

- A. For reporting purposes, all well Sundry notices, well completion and other well actions shall be referenced by the appropriate lease, communitization agreement and/or unit agreement numbers.
- B. The following reports shall be filed with the BLM-Authorized Officer online through AFMSS 2 within 30 days after the work is completed.
 - 1. Provide complete information concerning.
 - a. Setting of each string of casing. Show size and depth of hole, grade and weight of casing, depth set, depth of all cementing tools that are used, amount (in cubic feet) and types of cement used, whether cement circulated to surface and all cement tops in the casing annulus, casing test method and results, and the date work was done. Show spud date on first report submitted.
 - b. Intervals tested, perforated (include size, number and location of perforations), acidized, or fractured; and results obtained. Provide date work was done on well completion report and completion sundry notice.
 - c. Subsequent Report of Abandonment, show the way the well was plugged, including depths where casing was cut and pulled, intervals (by depths) where cement plugs were replaced, and dates of the operations.
 - 2. Well Completion Report will be submitted with 30 days after well has been completed.
 - a. Initial Bottom Hole Pressure (BHP) for the producing formations. Show the BHP on the completion report. The pressure may be: 1) measured with a bottom hole bomb, or; 2) calculated based on shut in surface pressures (minimum seven day buildup) and fluid level shot.
 - 3. Submit a cement evaluation log if cement is not circulated to surface.
- C. Production Startup Notification is required no later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site or resumes production in the case of a well which has been off production for more than 90 days. The operator shall notify the Authorized Officer by letter or Sundry Notice, Form 3160-5, or orally to be followed by a letter or Sundry Notice, of the date on which such production has begun or resumed. CFR 43 3162.4-1(c).

III. DRILLER'S LOG

The following shall be entered in the daily driller's log: 1) Blowout preventer pressures tests, including test pressures and results, 2) Blowout preventer tests for proper functioning, 3) Blowout prevention drills conducted, 4) Casing run, including size, grade, weight, and depth set, 5) How pipe was cemented, including amount of cement, type, whether cement circulated to surface, location of cementing tools, etc., 6) Waiting on cement time for each casing string, 7) Casing pressure tests after cementing, including test pressure and results, and 8) Estimated amounts of oil and gas recovered and/or produced during drill stem test.

IV. GAS FLARING

Gas produced from this well may not be vented or flared beyond an initial, authorized test period of * Days, 20 MMCF following its (completion)(recompletion), or flowback has been routed to the production separator, whichever first occurs, without the prior, written approval of the authorized officer in accordance with 43 CFR 3179.81. Should gas be vented or flared without approval beyond the test period authorized above, you may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted. You shall be required to compensate the lessor for the portion of the gas vented or flared without approval which is determined to have been avoidably lost.

*30 days, unless a longer test period is specifically approved by the authorized officer. The 30-day period will commence upon the beginning of flowback following completion or recompletion.

V. SAFETY

- A. All rig heating stoves are to be of the explosion-proof type.
- B. Rig safety lines are to be installed.
- C. Hard hats and other Personal Protective Equipment (PPE) must be utilized.

VI. CHANGE OF PLANS OR ABANDONMENT

- A. Any changes of plans required to mitigate unanticipated conditions encountered during drilling operations, will require approval as set forth in Section 1.I.
- B. If the well is dry, it is to be plugged in accordance with 43 CFR 3162.3-4, approval of the proposed plugging program is required as set forth in Section 1.I. The report should show the total depth reached, the reason for plugging, and the proposed intervals, by depths, where cement plugs are to be placed, type of plugging mud, etc. A Subsequent Report of Abandonment is required as set forth in Section II.B.1c.
- C. Unless a well has been properly cased and cemented, or properly plugged, the drilling rig must not be moved from the drill site without prior approval from the BLM-Authorized Officer.

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

ACKNOWLEDGMENTS

Action 536269

ACKNOWLEDGMENTS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 536269
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

ACKNOWLEDGMENTS

<input checked="" type="checkbox"/>	I hereby certify that no additives containing PFAS chemicals will be added to the completion or recompletion of this well.
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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 536269

CONDITIONS

Operator: DJR OPERATING, LLC 200 Energy Court Farmington, NM 87401	OGRID: 371838
	Action Number: 536269
	Action Type: [C-101] BLM - Federal/Indian Land Lease (Form 3160-3)

CONDITIONS

Created By	Condition	Condition Date
scrues76	Cement is required to circulate on both surface and intermediate1 strings of casing.	12/18/2025
scrues76	If cement does not circulate on any string, a Cement Bond Log (CBL) is required for that string of casing.	12/18/2025
ward.rikala	Notify the OCD 24 hours prior to casing & cement.	2/20/2026
ward.rikala	File As Drilled C-102 and a directional Survey with C-104 completion packet.	2/20/2026
ward.rikala	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string.	2/20/2026
ward.rikala	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system.	2/20/2026
ward.rikala	If the method of isolation was not by circulation, a CBL must be performed; if strata isolation is not achieved, then remediation will be required before further operations.	2/20/2026